

U.S. EPA: INCOMING CORRESPONDENCE REGARDING CRANDON MINE PROJECT

<u>DATE</u> <u>OF</u> <u>LETTER</u>	<u>DATE</u> <u>OF</u> <u>RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
4/5/84	-----	B. Hansen, EMC	B. Baker, WDNR	Water Quality criteria for Swamp Creek and related effluent limits for EMC	
10/3/84	-----	B. Hansen, EMC	B. Baker, WDNR	revision to Table 3 of the 4/84 Water Quality Criteria for Swamp Creek	
11/26/93	11/30/93	D. Kee, EPA	W. Tans, WDNR	Hypothetical project schedule	
1/7/94	1/7/94	D. Kee, EPA	D. Moe, CMC	Schedule for meetings with WDNR	
1/10/94	-----	New Release	Mole Lake	Chippewa Leaders and Citizen group blasts DNR effort to prevent public participation in Exxon Mine Project	
1/13/94	-----	News Release	Mole Lake	Mole Lake Tribe Critical of Process and content of Exxon-DNR Meetings	
2/94	-----	-----	WI Public Intervener	Comments on NOI	
2/22/94	2/28/94	Federal Agency	W. Tans, WDNR	Notice of public meeting re: NOI	
3/14/94	-----	C. Johnson-Schultz, EPA	J. Sevick, FVD	GW model meeting notice	
3/15/94	3/18/94	B. Rodger, WDNR	D. Moe, CMC	Update to NOI to collect data and ambient air monitoring quality assurance/quality control plan	
3/24/94	-----	J. Bauer, WDNR	S. Donohue, FVD	Detailed schedule of milestones and meetings for CMC GW model studies	
3/24/94	-----	P. Anderson, GeoTrans	M. Frimpter, H&W, Inc.	Comments from Horsley & Witten re: GW model	
3/25/94	-----	M. O'Keefe, COE	R. Steg, FVD	CMC Wetland Data base, attachment	
4/15/94	4/18/94	List	A. McCammon, GLIFWC	Comments on CMC's NOI	
4/20/94	-----	Nii Win	K. Menominee	NOI comments	
4/21/94	-----	Col.Scott/Wonsik, COE	G. Miller, MITW	Menominee Nation Position Paper/resolution re: Crandon Mine	
4/21/94	-----	J. Bauer, WDNR	P. Anderson, GeoTrans	GW Model, attachment: conceptual simulations	
4/21/94	-----	J. Bauer, WDNR	D. Moe, CMC	Tech memo of 1994 lake bed and wetland hydrogeologic studies and gw modeling conceptualization simulations; attachment	
4/26/94	-----	P. Anderson, GeoTrans	M. Frimpter, H&W Inc.	Comment on Conceptualization Simulations	
5/4/94	-----	P. Anderson, GeoTrans	M. Frimpter, H&W, Inc.	GW Model comments	
5/5/94	-----	L. Lynch, WDNR	M. Nelson, M. Frimpter H&W, Inc.	Comments on NOI	
5/6/94	-----	WDNR	Menominee Tribe	Comments on CMC's NOI	
5/9/94	-----	J. Bauer, WDNR	Hunt/Krohelski, USGS	GW Model comments	
5/12/94	-----	J. Bauer, WDNR	L. Altenbach, FVD	GW Quality Validation	
5/20/94	6/6/94	Ladies and Gentlemen	W. Tans, WDNR	WDNR response to written comments rec. at the 4.23/94 CMC NOI meeting	
5/23/94	5/25/94	L. Lynch, WDNR	K. Collison, CMC	Waste Characterization Studies	
5/23/94	5/25/94	L. Lynch, WDNR	D. Moe, CMC	Wastewater Treatment Pilot Studies	

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6/1/94	-----	W. Tans, WDNR	J. Schlender, GLIFWC	GW Model concerns	
6/7/94	-----	J. Bauer, WDNR	D. Moe, CMC	GW Model submittal	
6/8/94	6/13/94	J. Bauer, WDNR	D. Moe, CMC	scheduled 6/23/94 meeting btwn CMC and WDNR	
6/8/94	6/15/94	V. Adamkus, EPA	J. Scott, COE	EIS issues	
6/9/94	-----	J. Sevick, FVD	P. Anderson, GeoTrans	Calibration Status Report, GW Model	
6/9/94	-----	J. Sevick, FVD	P. Anderson, GeoTrans	Addendum to Conceptual Simulation Memo, GW model	
6/22/94	6/94	L. Lynch, WDNR	K. Collison, CMC	Tailings Settleability and Consolidation Testing	
7/5/94	7/7/94	A. Wilson, WDNR	D. Moe, CMC	Surface Water Sampling Procedure	
7/6/94	-----	V. Adamkus, EPA	J. Goodrich, CMC	Request to meet	
7/7/94	7/9/94	J. Bauer, WDNR	D. Moe, CMC	GW Model, Regional Geologic Cross sections, attachments	
7/7/94	7/9/94	J. Bauer, WDNR	D. Moe, CMC	GW Model, Addendum to 5/18/94 Geophysical Lake Bed and Wetland Investigation Report; attachment	
7/7/94	7/9/94	J. Bauer, WDNR	D. Moe, CMC	GW Model, Wetland Classification	
7/7/94	7/13/94	COE	D. Moe, CMC	Crandon Project 404 Permit Application	
7/11/94	7/13/94	J. Bauer, WDNR	D. Moe, CMC	Analysis of GW Model Layering to Simulate GW/Lake Interaction; attachment	
7/11/94	-----	J. Bauer, WDNR	Hunt/Krohelski,USGS	Comments on the GeoTrans Calibration Status Report and Addendum to Conceptualization Simulation Memo	
7/15/94	7/22/94	open	D. Moe, CMC	Letter seeking wetland restoration and development projects	
7/19/94	-----	J. Bauer, WDNR	M. Frimpter, H&W, Inc.	GW Model comments	
7/20/94	7/26/94	J. Bauer, WDNR	D. Moe, CMC	Finalized copy of Groundwater quality validation boring logs and well construction documentation for the Crandon project	
7/21/94	7/26/94	J. Sullivan, WDNR	R. Janeshek, FVD	Certified Analysis	
7/28/94	8/10/94	I. Schmidt, WDNR	R. Steg, FVD	Permit Application for Crandon Mining Project Threatened and Endangered Species Surveys: Pine Marten Trapping: Cover letter from D. Moe dated 8/4/94	
7/28/94	7/28/94	News Release	J. House, Oneida Tribe	Oneida Nation supports 3 local tribes in opposition to the mine. Fax	
8/3/94	8/10/94	J. Koss, MITW	G. Miller, MITW	Attached CMC subject Matter: WDNR letter to FVD (7/22/94), USACE memo (6/29/94) : Issues relating to limnological and wetland issues	
8/4/94	8/10/94	WDNR, Tribes,& Others	R. Steg, FVD	Permit application for Crandon Project Threatened and Endangered Species Surveys: Pine Marten Trapping: letter attached	
8/9/94	8/12/94	J. Goodrich, CMC	L. Lynch, WDNR	NOI comments; attachments EPA QAPP comments	
8/11/94	8/15/94	J. Bauer, WDNR	D. Moe, CMC	GW Model: attachment re: Solute Transport	

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<u>DATE OF LETTER</u>	<u>DATE OF RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
8/12/94	-----	D. Schuettpelz, WDNR	D. Moe, CMC	Surface Water Data; attachments	
8/15/94	8/25/94	D. Dyrstad, FAA	D. Moe, CMC	Federal Aviation Order 5200.5A as relates to the Proposed CMC TMA	
8/18/94	8/22/94	A. Wilson, WDNR	D. Moe, CMC	Request for 2 high capacity non-potable water supply well permits for 2 limited term pump tests	
8/19/94	8/29/94	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Program submittal	
8/24/94	-----	P. Luebke, WDNR	D. Moe, CMC	Soil Investigation for the potential disposal of treated wastewater effluent using soil absorption ponds	
9/2/94	9/15/94	J. Goodrich, CMC	J.Scharch/W.Rock, WDNR	Conditional Approval, Temporary, High Capacity Test Wells, Wood County, WI	
9/2/94	9/7/94	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting	
9/7/94	9/19/94	K. Fenner, EPA	B. Greene, G,M&M	Attorney for MITW: RE: Mass loadings of pollutants to Wolf River	
9/7/94	9/12/94	V. Adamkus, EPA	G. Miller, MITW	request to meet	
9/14/94	9/20/94	D. Moe, CMC	D. Schuettpeltz, WDNR	Development of Preliminary Effluent Limitations for CMC	
9/15/94	-----	J. Bauer, WDNR	D. Moe, CMC	Groundwater Modeling, Wetland Classification	
9/20/94	9/23/94	S. Watson, WDNR	D. Moe, CMC	Proposed Sapolite Inv. Pump Tests Water Discharge Permit	
9/21/94	-----	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting	
9/23/94	9/26/94	W. Harris, EPA	J. Sullivan, WDNR	CMC sample/data concerns re: ETC lab/data validation	
9/28/94	9/30/94	A. Wilson, WDNR	D. Moe, CMC	Response to the GW sampling verification memo	
9/30/94	9/30/94	L. Lynch, WDNR	K. Collison, CMC	Waste Characterization Studies	
10/6/94	10/11/94	S. Schuenemann, WDNR	D. Moe, CMC	Ambient Air Monitoring Audit	
10/12/94	10/25/94	WDNR Staff	B. Tans, WDNR	Goblin Fern, a WI endangered Plant, discovered at CMC site	
10/13/94	10/17/94	J. Bauer, WDNR	D. Moe, CMC	Work Plan for Investigation and Identification of Sapolite Properties, Status of Field Investigation and Well Installation	
10/14/94	10/18/94	J. Scott, COE	A. Ackley, Sokaogon	Compliance Violation, Nationwide Permit	
10/14/94	10/19/94	J. Bauer, WDNR	D. Moe, CMC	Groundwater Modeling	
10/20/94	10/24/94	D. Moe, CMC	P. Luebke, WDNR	Pump Test Wastewater Discharge Permit	
10/20/94	10/24/94	D. Moe, CMC	P. Luebke, WDNR	Preliminary Effluent Limits for GW Discharge Correction	
10/20/94	10/24/94	J. Bauer, WDNR	D. Moe, CMC	Groundwater Modeling	
10/24/94	10/28/94	D. Moe, CMC	T. Sheffy, WDNR	Air Monitoring Plan Revisions and Monitoring Network Approval	
10/26/94	11/1/94	A. Ackley, Sokaogon	J. Scott, COE	response to Ackley's 10/14/94 letter re: possible violation of General Condition 12 of the Dept. Of Army nationwide permit confirmation	

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10/26/94	-----	Ann McCammon Soltis GLIFWC	P. Luebke, WDNR	CMC Pump Test concerns; attachment Motion for Relief Pending Appeal:	Sokaogon Chippewa v WDNR
10/28/94	11/7/94	R. Dexter, WISHS	D. Moe, CMC	Traditional Cultural Properties Investigation	
10/28/94	-----	J. Bauer, WDNR	D. Moe, CMC	Work Plan for Investigation and Identification of Saprolite Properties, Status of Field Investigation and Pump Test Program	
10/28/94	-----	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting 9/94	
11/22/94	11/25/94	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting, 10/94	
11/30/94	12/5/94	L. Lynch, WDNR	K. Black, CMC	Pilot Study Wastewater Generation	
11/1/94	11/4/94	J. Bauer, WDNR	D. Moe, CMC	GW Model; 3 attachment - responses to comments from D. Cherkauer and H&W, Inc.	
11/7/94	11/16/94	J. Bauer, WDNR	D. Moe, CMC	Groundwater Modeling	
11/10/94	11/14/94	J. Bauer, WDNR	P. Anderson, GeoTrans	Groundwater Modeling	
11/11/94	11/15/94	D. Siebert, WDNR	D. Moe, CMC	Wetland Mapping	
11/17/94	-----	J. Scott, COE	B. Greene/C. Condon	Attorney's for Menominee: Response to COE Public Notice of CMC	
			Greene, Meyer, McElroy	application for a permit to discharge fill in wetlands and develop a mine	
11/30/94	12/5/94	L. Lynch, WDNR	K. Black, CMC	Pilot Study Wastewater Generation	
11/30/94	-----	Col. J. Scott, COE	J. Smith, DOI-FWS	revised comments on Section 404 public notice	
12/2/94	12/6/94	A. Wilson, WDNR	D. Moe, CMC	Lake Level Data	
12/9/94	12/12/94	J. Bauer, WDNR	D. Moe, CMC	GW Modeling; GeoTrans memo attached dated 12/9/94	
12/14/94	12/21/94	A. Ackley, Sokaogon	J. Goodrich, CMC	Socioeconomic Study: Request for long-range development plans	
12/14/94	12/21/94	A. Milham, FCP	J. Goodrich, CMC	Socioeconomic Study: Request for long-range development plans	
12/14/94	12/21/94	G. Miller, Menominee	J. Goodrich, CMC	Socioeconomic Study: Request for long-range development plans	
12/15/94	12/18/94	J. Bauer, WDNR	D. Moe, CMC	Groundwater Modeling	
12/23/94	12/28/94	R. Dexter, SHSOW	D. Moe, CMC	Traditional Cultural Properties Investigation	
12/30/94	1/4/95	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting, 11/94	
1/3/95	1/9/95	L. Lynch, WDNR	K. Black, CMC	Pilot Study Wastewater Generation	
1/5/95	1/11/95	B. Tans, WDNR	D. Moe, CMC	Groundwater modeling	
1/9/95	1/18/95	D. Siebert, WDNR	D. Moe, CMC	Wetland Mapping	
1/13/95	1/23/95	R. Grefe, WDNR	K. Collison, CMC	TMA	
1/16/95	-----	B. Tans, WDNR	D. Moe, CMC	Groundwater Modeling	
1/20/95	1/24/95	P. Luebke, WDNR	D. Moe, CMC	Soil Investigation for the Potential Disposal of Treated Wastewater Effluent using Soil Absorption Ponds	

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1/22/95	2/28/95	W. Tans, WDNR	D. Cherkauer, Prof	GW Model comments - faxed to EPA	
1/24/95	1/31/95	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting, 12/94	
1/24/95	1/25/95	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting, 6 months complete	
1/31/95	2/3/95	D. Moe, CMC	T. Sheffy, WDNR	Request for Modification to the QA/QC Plan Ambient Air Monitoring	
2/5/95	2/13/95	L. Lynch, WDNR	K. Collison, CMC	Waste Characterization Program	
2/8/95	2/28/95	D. Cherkauer, Prof.	W. Tans, WDNR	Response to GW Model concerns - faxed to EPA	
2/9/95	2/13/95	L. Lynch, WDNR	K. Collison, CMC	Waste Characterization Program	
2/14/95	2/16/95	L. Lynch, WDNR	K. Black, CMC	Pilot Study wastewater generation	
2/16/95	2/21/95	B. Tans, WDNR	D. Moe, CMC	GW Modeling, attachments	
2/17/95	2/95	P. Luebke, WDNR	D. Moe, CMC	Regulatory Interpretations re: Storm water runoff; attachments	
2/21/95	2/23/95	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting, 1/95	
2/22/95	2/27/95	L. Lynch, WDNR	K. Collison, CMC	Waste Characterization Program	
2/28/95	3/6/95	D. Moe, CMC	C. Carlson, WDNR	Little Sand Lake gw monitoring points	
3/95	-----	-----	WDNR	WDNR Review Schedule	
3/1/95	3/20/95	Tribes	WDNR	Technical Meeting Schedule	
3/5/95	-----	W. Tans, WDNR	Al Milham, FCP	Technical Meeting concerns	
3/5/95	3/16/95	J. Scott, COE	BIA	Tribal concerns/technical assistance/agency responsibilities; fax	
3/7/95	3/10/95	B. Tans, WDNR	K. Collison, CMC	TMA Alternative Site Analysis	
3/9/95	3/24/95	A. Milham, FCP	W. Tans, WDNR	Air Quality impacts; technical meetings concern	
3/13/95	3/20/95	A. Wilson, WDNR	D. Moe, CMC	NR 141.29 approval request for sand points around Little Sand Lake	
3/20/95	-----	R. Patterson, WDNR	D. Moe, CMC	Updated Dispersion Modeling Workplan	
3/22/95	3/24/95	S. Hanson, Public Intervenor's Office	K. Collison, CMC	TMA	
3/22/95	3/24/95	D. Ballman, COE	D. Moe, CMC	Wetland Verification Delineation, w/attachment	
3/24/95	-----	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting, 2/95	
4/95	9/28/95	-----	WDNR	Status Report on the Department's Review of the Proposed CMC Mine	
4/20/95	4/25/95	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting, 3/95	
4/25/95	5/1/95	C. Carlson, WDNR	D. Moe, CMC	GW Model; attachment re: incorporation of bedrock into Regional. GW Model	
4/27/95	5/2/97	C. Carlson, WDNR	D. Moe, CMC	GW Model: attachment re: Adaptation of package for simulating lakes in MODFLOW	
4/28/95	-----	J. Sevick, FVD	X. Cheng, FVD	Review of Updated Lake Package developed by GeoTrans	
5/9/95	-----	S. Banker, WI SHPO	D. Moe, CMC	Cultural Resources Management Plan cover letter	

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5/11/95	5/15/95	W. Tans, WDNR	D. Moe, CMC	Biological Studies for the Goblin Fern; draft work plan attached.	
5/19/95	5/23/95	D. Kee, EPA	B. Wopat, COE	Seeking assistance from other Fed. Agencies w/EIS: fax	
5/19/95	5/24/95	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting, 4/95	
5/26/95	-----	C. Hansen, FCP	R. Durnke, WDNR	assistance request re: atmospheric deposition	
5/26/95	6/1/95	C. Carlson, WDNR	D. Moe, CMC	Hydrologic, Well Construction and Water Chemistry Databases	
6/15/95	6/19/95	R. Roth, WDNR	D. Moe, CMC	Variance request re: packer/hydraulic conductivity tests	
6/13/95	6/23/95	V. Adamkus, EPA	J. Teller, MITW	Invite to Reservation; fax to D. Kee, EPA from J. Koss, MITW	
6/22/95	6/26/95	T. Sheffy, WDNR	D. Moe, CMC	Update to Revised Ambient Air Monitoring QA/QC Plan	
6/26/95	6/29/95	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring	
6/30/95	7/5/95	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting, 5/95	
7/6/95	7/10/95	B. Tans, WDNR	D. Moe, CMC	Groundwater Modeling w/attachment from GeoTrans re: Solute transport	
7/11/95	-----	J.Scott, COE	A. Ackley Sr., Sokaogon	Response to COE proposed Trust Responsibility Policy	
7/13/95	-----	B. Wopat, COE	J. Griffin, Sokaogon	Comment on COE draft Policy (RE: 4/12/95 trust resp. workshop)	
7/18/95	-----	D. Moe, CMC	S. Banker, SHSof WI	Traditional Cultural Properties	
7/31/95	8/14/95	D. Moe, CMC	B. Tans, WDNR	Initial EIR Comments	
8/2/95	8/7/95	C. Carlson, WDNR	D. Moe, CMC	Groundwater Modeling	
8/10/95	-----	D. Theiler, WDNR	J. Goodrich, CMC	Air Pollution Control Permit Application submittal	
		D. Ballman, COE			
8/11/95	-----	B. Willging, USDA	A. Ackley, Sokaogon	Beaver Dam removal issue	
8/16/95	8/25/95	A. Milham, FCP	W. Andrews, ACR	Traditional Cultural Properties Inventory: fax	
8/21/95	-----	A. Ackley, Sokaogon	B. Willging, USDA	Beaver Dam removal issue	
8/25/95	8/31/95	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting, 6/95	
9/1/95	9/7/95	V. Adamkus, EPA	T. Roth, US House	Communication concerns by CMC	
9/11/95	9/22/95	V. Adamkus, EPA	H. Kohl, US Senate	Communication concerns by CMC	
10/10/95	10/16/95	V. Adamkus, EPA	J. Goodrich, CMC	Meeting request	
10/20/95	10/31/95	WDNR Announcement	C. Carlson, WDNR	Topics for 11/1/95 gw meeting	
10/23/95	11/9/93	EPA HQ	C. Fox, Sokaogon	Information Request	
11/3/95	-----	D. Moe, CMC	C. Carlson, WDNR	Topics for 11/13/95 gw meeting	
11/9/95	-----	Col. Wonsik, COE	G. Meyer, WDNR	EIS development	
11/9/95	11/15/95	G. Meyer, WDNR	W. Breyfogle, COE	COE development of separate EIS	
11/20/95	12/5/95	B. Tans, WDNR	J. Hurley, WDNR	Mercury issues and proposed CMC TMA	
11/21/95	11/27/95	D. Moe, CMC	C. Carlson, WDNR	Topics for 11/29/95 TMA feasibility meeting	

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11/22/95	-----	R. Meister, FVD	R. Grefe, WDNR	Use of Geomembranes in Landfills in WI	
11/27/95	11/30/95	D. Moe, CMC	C. Carlson, WDNR	Mercury as a potential concern for the TMA	
11/28/95	11/28/95	W. Tans, WDNR	C. Carlson, WDNR	Crandon FTP site up and running - fax	
11/29/95	11/30/95	D. Moe, CMC	C. Carlson, WDNR	Topics for 12/6/95 gw meeting	
12/6/95	12/6/95	Misc. Parties	W. Tans, WDNR	WDNR/CMC technical meeting schedule	
12/6/95	12/15/95	C. Carlson, WDNR	D. Moe, CMC	WDNR review of the CMC TMA FR	
12/7/95	12/12/95	D. Moe, CMC	C. Carlson, WDNR	Response to CMC's proposed approach to solute transport modeling	
12/13/95	-----	C. Carlson, WDNR	D. Moe, CMC	Proposed agenda for 12/20/95 gw meeting	
12/19/95	-----	J.M. Wonsik, COE	A. Ackley, Sokaogon	Ongoing issues related to the Proposed Crandon Mine Project and the Effective Communication btwn the COE and Sokaogon Chippewa Community	
12/20/95	1/8/96	L. Strecker, U.S.FS V. Vogt, U.S.DOI-BLM	J.Teller, MITW	Mineral Prospecting Applications made by BHP Minerals	
12/27/95	-----	C. Carlson, WDNR	S. Donohue, FVD	Disk w/Spreadsheet of Lithologic picks for the Crandon Project Glacial Overburden Cross Sections: Disk not sent to EPA	
12/29/95	1/8/96	C. Carlson, WDNR	P. Anderson, GeoTrans	transmittal letter to WDNR of gw model data; not sent to EPA	
1/4/96	-----	C. Carlson, WDNR	D. Moe, CMC	Attached memo by GeoTrans/FVD re: GW Modeling, responses to issues from 12/6/95 WDNR meeting	
1/4/96	1/10/96	D. Moe, CMC	C. Carlson, WDNR	Topics for 1/11/96 TMA meeting	
1/4/96	-----	D. Moe, CMC	Tans, Carlson & Grefe, WDNR	RE: Completeness Determination for TMA	
1/4/96	-----	J. Goodrich, CMC	P. Luebke, WDNR	Preliminary Engineering Report for Wastewater Treatment Facilities, w/attach	
1/8/96	1/8/96	Misc. Parties	W. Tans, WDNR	WDNR/CMC technical meeting schedule - fax	
1/8/96	1/12/96	R. De la Cruz, UofW	C. Carlson, WDNR	Mine backfilling for the proposed Crandon mine.	
1/12/96	-----	D. Richards, U.S. FS	J. Koss, MITW	Mineral prospecting applications made by BHP Minerals	
1/16/96	1/16/96	Misc. Parties	W. Tans, WDNR	WDNR/CMC technical meeting schedule - fax	
1/17/96	-----	D. Cozza, EPA	B. Wopat, COE	announcement of 2/6/96 EIS meeting	
1/18/96	1/18/96	WDNR/EPA/USGW GLIFWC	J. Koss, MITW	concerns re: lake water chemistry w/attachments - fax	
1/18/96	-----	D. Ballman, COE	G. Howlett, Menominee	Perched Wetlands and Lakes in Crandon Mine area; fragipan report	
1/18/96	1/19/96	D. Cozza, EPA	J. Griffin, Sokaogon	fax of D. Cherkauer's 1/13/96 letter to C. Carlson, WDNR re: gw model issues	
1/18/96	1/22/96	D. Moe, CMC	C. Carlson, WDNR	Topics for 1/24/96 gw meeting; letter, dated 1/13/96, from D. Cherkauer attached re: gw modeling issues	
1/19/96	1/24/96	C. Carlson, WDNR	J. Sevic, FVD	gw model: update of section 3.6.4.3.1 of EIR; handed out at 1/24/96 gw	

U.S. EPA: INCOMING CORRESPONDENCE REGARDING CRANDON MINE PROJECT

DATE OF LETTER	DATE OF RECEIPT	TO	FROM	RE:	other
meeting 1/22/96	1/24/96	C. Carlson, WDNR	K. Potter, UofW	Comments on Spreadsheet models of Little Sand Lake, Duck, Deep Hole and Skunk Lakes; handed out at 1/24/96 gw meeting	
1/23/96	1/24/96	J. Sevick, FVD	P. Anderson, GeoTrans	Simulations w/alternating coarse outwash zonations: handed out at 1/24/96 gw meeting	
1/25/96	1/30/96	S. Banker, WI SHS	D. Moe, CMC	Response to comments on EIR re: Traditional Cultural Properties Investigation	
1/29/96	-----	A. Gedicks, UW-La	T. Evans, WI-GNHS	radiation concerns	
1/30/96	2/12/96	Ladies and Gentlemen	W. Tans, WDNR	1/96 Status report on WDNR's review of the proposed mine	
2/1/96	2/8/96	C. Carlson, WDNR	P. Anderson, GeoTrans	re: cross section JJ' showing hydraulic conductivities	
		M. Meyers, COE			
2/1/96	-----	D. Moe, CMC	B. Wopat, COE	TMA comments	
2/5/96	2/7/96	BIA Solicitor	H. Nelson, BIA	Evaluation of Effects to Trust Resources COE Section 404 Permit Process for the proposed Crandon Mine	
2/5/96	-----	J.M. Wonsik, COE	D. Haumersen, COE	Decision Paper re: Commander approval of WES use of FEMWATER; MODFLOW not appropriate for this project	
2/5/96	2/8/96	C. Carlson, WDNR	P. Anderson, GeoTrans	gw model, lake stage package issues	
2/13/96	2/13/96	D. Cozza, EPA	J. Koss, Menominee	fax, comments on EPA Crandon Mine Homepage	
2/13/96	2/15/96	C. Carlson, WDNR	D. Moe, CMC	GW modeling; attached memo, 2/12/96, to J. Sevick, FVD from P. Anderson, GeoTrans re: review of memo by K. Potter re: spreadsheet models	
2/14/96	2/14/96	D. Cozza, EPA	H. Nelson, BIA	fax, comments on EPA Crandon Mine Homepage	
2/14/96	2/16/96	C. Carlson, WDNR	D. Moe, CMC	3/4-3/8 gw model working session agenda	
2/15/96	-----	D. Cozza, EPA	J. Schlender, GLIFWC	Submittal of report entitled, "Sulfide Mining: The Process and the Price"	
2/21/96	-----	open	R. Whalin, COE	Groundwater Model evaluation comments	
2/22/96	-----	J. Teller, Menominee	B. Wopat, COE	Traditional Cultural Properties, Area of Potential Effect	
2/26/96	3/1/96	B. Wopat, COE	W. Tans, WDNR	COE comments on the TMA	
2/26/96	2/29/96	D. Cozza, EPA	W. Tans, WDNR	EPA comments on the TMA	
2/27/96	2/29/96	C. Carlson, WDNR	D. Moe, CMC	attached memo dated 2/26/96 from P. Anderson, GeoTrans to J. Sevick, FVD re: response to 1/13/96 letter from D. Cherkauer	
2/28/96	2/28/96	Meeting participants	C. Carlson, WDNR	3/4-3/8 gw model working session time and location; fax	
2/28/96	3/4/96	Meeting participants	c. Carlson, WDNR	Brief summary of initial conclusions from the Department drilling program on and adjacent to Little Sand Lake	
3/5/96	3/25/96	File	G. Council, GeoTrans	Spreadsheet Model Documentation	

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<u>DATE OF LETTER</u>	<u>DATE OF RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
3/6/96	3/8/96	D. Ballman, COE	D. Moe, CMC	Comment Response to SHPO comments on Reconnaissance and Literature review of the WI River Wastewater Discharge Pipeline Corridor Alternative	
3/6/96	3/6/96	P. Shopodock, FCP	J. Wonsik, COE	Follow up to Army Criminal Investigation re: W. Andrews allegations.	
3/8/96	3/8/96	D. Cozza, EPA	M. Manydeeds, BIA	BIA mineral policies (for EPA Crandon Mine Homepage); fax	
3/8/96	3/11/96	P. Luebke, WDNR	J. Goodrich, CMC	Response to WDNR comments on the Preliminary Engineering Report for Wastewater Treatment Facilities	
3/12/96	3/18/96	J.M. Wonsik, COE	J. Teller, MITW	Meetings with COE and CMC involvement	
3/13/96	3/18/96	B. Wopat, COE	J. Teller, MITW	Wetland Mitigation Site objection	
3/13/96	3/18/96	L.Lynch, WDNR	K. Collison, CMC	Waste characterization study	
3/14/96	3/19/96	J.M. Wonsik, COE	C. Carlson, WDNR	COE criticisms to the use of MODFLOW for gw modeling at Crandon project	
3/14/96	3/20/96	D. Moe, CMC	W. Tans, WDNR	Summary of week long gw model working session; 3 issues identified	
3/14/96	3/20/96	T. Sheffy, WDNR	D. Moe, CMC	Ambient Air Monitoring Reporting, 11/10/94-3/9/95 & 3/10/95-7/2/95	
3/15/96	3/19/96	Tans,Carlson,Grefe,WDNR	K. Collison, CMC	CMC Response to WDNR's 1/4/96 TMA Completeness Letter	
3/19/96	3/25/96	C. Carlson, WDNR	P. Anderson, GeoTrans	transmittal of lake budget spreadsheet model; not sent to EPA	
3/19/96	3/26/96	C. Carlson, WDNR	D. Moe, CMC	GW model; summary of week long session issues, schedule for completion of model	
3/20/96	3/20/96	TMA Meeting group	C. Carlson, WDNR	3/25/96 TMA meeting announcement: fax	
3/26/96	3/26/96	D. Cozza, EPA	J. Coleman, GLIFWC	e-mail, comments on EPA Crandon Mine Homepage	
3/29/96	3/29/96	D. Cozza, EPA	C. Dunning, USGS	e-mail, comments on EPA Crandon Mine Homepage	
4/3/96	4/10/96	TMA meeting group	C. Carlson, WDNR	Draft agenda for 4/15/96 TMA meeting w/COE	
4/4/96	4/8/96	Tans,Carlson, Grefe, WDNR	D. Moe, CMC	CMC response to WDNR's 1/4/96 TMA completeness letter	
4/4/96	4/8/96	L. Lynch, WDNR	D. Moe, CMC	Waste Characterization Studies, w/attachment re: TypeI/TypeII waste rock delineation	
4/4/96	12/13/96	Col. Wonsik, COE	J. Coleman, GLIFWC	geologic and hydrologic characterization of the Crandon mine site	
4/8/96	4/12/96	C. Carlson, WDNR	D. Moe, CMC	GW Model: attached memo from P.Anderson, GeoTrans to J. Sevick, FVD dated 4/9/967 re: Coarse outwash zonation in regional gw flow model	
4/9/96	-----	WDNR, files	WDNR	Location of TMA Footprint and relationship to Bur Oak Swamp	
4/9/96	4/12/96	D. Moe, CMC	C. Carlson, WDNR	Topics for 4/22/96 TMA meeting	
4/10/96	4/16/96	D. Moe, CMC	C. Carlson, WDNR	Topics for 4/17-18/96 GW meeting/working session	
4/10/96	-----	D. Moe, CMC	C. Carlson, WDNR	Topics for 5/14-15/96 GW meeting/working session	
4/10/96	4/15/96	C. Carlson, WDNR	D. Moe, CMC	enclosed memo dated 4/12/96 from G. Council, GeoTrans to J. Sevick, FVD re: new spreadsheet model analysis for Little Sand Lake and discussion of BEJ and	

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<u>DATE OF LETTER</u>	<u>DATE OF RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
4/11/96	4/16/96	J. Goodrich, CMC	P. Luebke, WDNR	PWC lakebed conductivity	
4/12/96	4/18/96	J.M. Wonsik, COE	J. Teller, MITW	Preliminary Engineering Report	
4/17/96	-----	Paul Van Ryzin, UW-M	J. Robertson, WI- GNHS	COE Meeting w/CMC and not Tribes.	
4/17/96	4/22/96	A. Ackley, Sokaogon	B. Wopat, COE	Radioactive materials concern	
4/18/96	4/22/96	C. Carlson, WDNR	D. Moe, CMC	Radioactive materials concern	
		D. Ballman, COE		TCLP Testing	
4/18/96	4/22/96	B. Wopat, COE	D. Moe, CMC	CMC response to COE 2/1/96 TMA review letter	
4/22/96	4/26/96	J. Teller, Menominee	J. Wonsik, COE	meeting concerns w/CMC	
4/23/96	4/26/96	C. Carslon, WDNR	J. Coleman, GLIFWC	Response to CMC, TMA completeness letter of 4/4/96	
4/30/96	5/2/96	C. Carslon, WDNR	D. Moe, CMC	TCLP testing; FVD memo of 4.25.96 to J. Sevick and D. Moe attached re:	
		D. Ballman, COE		Comparison of USEPA's Leaching Procedures: TCLP vs EP Toxicity Testing	
5/2/96	-----	D. Moe, CMC	C. Carlson, WDNR	Topics for 5/21/96 TMA meeting	
5/2/96	5/2/96	EPA	J. Miller, COE	GW Diversion/WRDA E-mail	
5/3/96	-----	C. Carslon, WDNR	D. Moe, CMC	enclosed memo dated 5/3/96 from G. Council, GeoTrans to J. Sevick re:	
				Additional spreadsheet model analyses for Little Sand Lake including 1977	
				calibration and North Pelican Lake precipitation data.	
5/3/96	5/22/96	D. Moe, CMC	W. Tans, WDNR	EIR Comments	
5/6/96	-----	C. Ledin, WDNR	D. Moe, CMC	Response to WDNR comments on the Preliminary Engineering Report for	
				Wastewater Treatment Facilities: BOD issues	
5/7/96	5/22/96	J. Goodrich, CMC	R. Larson, WDNR	Storm water discharge permitting/NR216 WI Adm. Code	
5/9/96	5/14/96	M. Meyers COE	K. Black, CMC	Summary of 5/18/96 site visit, w/attached article on radiation	
		D. Cozza, EPA			
5/10/96	5/10/96	TMA meeting group	W. Tans, WDNR	Site visit to view alternative footprints of TMA on 5/20/96: fax	
5/10/96	5/16/96	D. Moe, CMC	C. Carlson, WDNR	Comments on the CMC Waste Characterization Program/Solute Transport	
			L. Lynch, WDNR	Source Term Development: Attached 5/10/96 comments from K. Lapakko and	
				D. Blowes	
5/13/96	5/22/96	R. Grefe, WDNR	D. Moe, CMC	TMA Drainage layer	
5/14/96	5/17/96	D. Moe, CMC	B. Wopat, COE	TMA and wetland impacts	
5/14/96	5/17/96	tribes & fed agencies	D. Ballman, COE	EIS meeting scheduled for 6/11/96: fax	
5/16/96	5/22/96	C. Carlson, WDNR	J. Coleman, GLIFWC	Little Sand Lake water budget at low stage and low precipitation	

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<u>DATE</u> <u>OF</u> <u>LETTER</u>	<u>DATE</u> <u>OF</u> <u>RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
5/15/96	-----	B. Tans, WDNR	S. Miller, Great Lakes United	GW diversion issue	
5/17/96	5/21/96	R Grefe, WDNR	D. Moe, CMC	TMA Sidewall drainage	
5/20/96	5/23/96	C. Carlson, WDNR	D. Moe, CMC	enclosed memo from G. Council, GeoTrans to J. Sevick, FVD re: Verification of the Lake Package with the Trout Lake Data Set	
5/20/96	-----	EPA	R. Morris, Citizen	Concerned Citizen	
5/20/96	-----	Open	Menominee Tribe	Comments to WDNR re: Proposed surface water discharge to WI River	
5/22/96	-----	D. Moe, CMC	C. Carlson, WDNR	Topics for 5/28-29/96 TMA meeting	
5/28/96	5/31/96	C. Carlson, WDNR	D. Moe, CMC	revised geologic cross-sections	
5/30/96	6/3/96	D. Moe, CMC	B. Wopat, COE	Response to CMC's response to COE's TMA comments	
6/5/96	-----	J. Sevick, FVD	P. Anderson, GeoTrans	Review of 5/16/96 GLIFWC Little Sand Lake water budget memo	
6/7/96	6/12/96	C. Carlson, WDNR	D. Moe, CMC	enclosed memo dated 6/5/96 from P. Anderson, GeoTrans, to J. Sevick, FVD re: review of 5/16/96 GLIFWC memo	
6/7/96	6/18/96	D. Theiler, WDNR	J. Goodrich, CMC	Air Pollution Control Permit Application update	
		D. Ballman, COE			
6/11/96	-----	D. Moe, CMC	B. Wopat, COE	COE use of FEMWATER gw model for project	
6/21/96	6/26/96	P. Shopodock, FCP	J.M. Wonsik, COE	EIS schedule and Tribal involvement	
6/21/96	6/24/96	C. Pils, WNDR	D. Moe, CMC	Threatened & Endangered Species Information Review: Hat Rapids Dam	
6/21/96	6/26/96	J. Teller, Menominee	J. Wonsik, COE	Traditional Cultural Properties	
6/24/96	6/24/96	M. Elster, EPA	J. Miller, COE	GW Diversion issue E-mail	
6/26/96	7/2/96	D. Moe, CMC	C. Carlson, WDNR	Topics for 7/8/96 TMA meeting	
6/28/96	-----	C. Carlson, WDNR	J. Coleman, GLIFWC	Climate data used in EIR Section 3.4	
6/28/96	-----	Public	WDNR	Public concerns re: Proposed Crandon Mine discharge into the WI River, meeting in Tomahawk, WI on May 20, 1996	
7/96	7/24/96	-----	WDNR	Status report on WDNR review of Proposed mine	
7/1/96	-----	D. Cozza, EPA	D. Diotte, CMC	Radiation concern and response to news article	
7/5/96	-----	C. Carlson, WDNR	D. Moe, CMC	gw model: revised page 5-17 to the Agapit Assoc.'s Hydrologic Stability of the Crown Pillar Report	
7/9/96	7/11/96	J. Teller, Menominee	J. Wonsik, COE	Wetland mitigation	
7/9/96	7/15/96	C. Carlson, WDNR	J. Coleman, GLIFWC	Response to CMC/GeoTrans comments on GLIFWC Little Sand Lake water budget at low stage and low precipitation memo	
7/10/96	7/15/96	C. Carlson, WDNR	D. Cherkauer,	comments re: USGS chemical mass balance calculations for mine area lakes	

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<u>DATE</u> <u>OF</u> <u>LETTER</u>	<u>DATE</u> <u>OF</u> <u>RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
		M. Meyers, COE			
7/11/96	7/11/96	D. Cozza, EPA	D. Diotte, CMC	Fax of newspaper clipping re: radiation levels	
7/12/96	7/18/96	D. Moe, CMC	C. Carlson, WDNR	Comments on Waste Characterization/Source Term Development Work Plan and TMA meeting of 7/8/96	
7/15/96	7/19/96	D. Henne, US DOI	J.M.Wonsik, COE	communication with the Tribes and BIA	
7/16/96	7/16/96	D. Cozza, EPA	A. Cangelosi,	GW Diversion issue e-mail	
7/18/96	7/22/96	A. McCammon Soltis GLIFWC	J.M. Wonsik, COE	Information Request response	
7/22/96	7/22/96	J. Miller, COE	C. Kleinhans, COE	GW Diversion issue E-mail	
7/23/96	7/25/96	D. Moe, CMC	C. Fitzgerald, WDNR	High Capacity Well Permit Application, Info request	
7/26/96	8/2/96	S. Miller, Great Lakes United	P. Harder, WDNR	GW Diversion, includes 7/9/96 memo from C. Hammer to B. Tans both WDNR, re: position paper	
7/29/96	-----	C. Curtis, Foley&Lardner	J.M. Wonsik, COE	Information Request response re: Fed. Trust resp.	
7/30/96	8/13/96	J.M. Wonsik, COE	J. Teller, Menominee	Project concerns	
8/1/96	-----	J.M. Wonsik, COE	A. Milham, FCP	EIR Comments w/attachments and cover letter	
8/2/96	-----	J.M. Wonsik, COE	E. Moffett, BIA	EIR Comments	
8/2/96	8/13/96	D. Moe, CMC	B. Wopat, COE	TMA comments	
8/3/96	8/3/96	D. Cozza, EPA	S. Towns, Citizen	e-mail, concerned citizen	
8/5/96	8/12/96	D. Cozza, EPA	W. Tans, WDNR	info request re: surface water model proposal	
8/5/96	9/9/96	D. Cozza, EPA	P. Chiu, Sierra Club	GW Diversion issue	
8/5/96	8/13/96	B. Tans, WDNR	D. Moe, CMC	Threatened & Endangered Species Investigation, WI River below Hat Rapids Dam, Supplementary Work Plan (attachment to EIR Vol. IIIa, appx 3-2)	
8/7/96	-----	J. Wonsik, COE	J. Schlender, GLIFWC	EIR Comments	
8/7/96	8/14/96	J. Wonsik, COE	J. Teller, Menominee	EIR comments	
8/8/96	8/12/96	D. Cozza, EPA	C. Zidick, Citizen	Concerns re: waste characterization	
8/13/96	8/13/96	D. Cozza, EPA	K. Dewitt, Citizen	e-mail, concerned citizen	
8/13/96	8/13/96	J. Kelley, EPA	K. Dewitt, Citizen	e-mail, concerned citizen	
8/15/96	8/15/96	News Release	P. Theo, CMC	CMC surprised and offended by "seriously flawed" EPA preliminary review	
8/16/96	8/19/96	D. Cozza, EPA	D. Moe, CMC	EPA EIR Comment concerns: attached letter to Carol Browner dated 8/15/96	
8/16/96	8/28/96	EPA HQ	C. Curtis, Foley&Lardner	Information Request	
8/19/96	8/21/96	D. Moe, CMC	B. Wopat, COE	WRDA of 1986; Diversion issue	
8/21/96	8/30/96	C. Carlson, WDNR	D. Moe, CMC	Status of Supplementary TMA Tailings Waste Characterization Testing	

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DATE OF LETTER	DATE OF RECEIPT	TO	FROM	RE:	other
		D. Ballman, COE		W/attachment	
8/26/96	8/29/96	M Canavan, EPA	R. Feingold, US Senate	Crandon Mine Concerns of Citizen	
8/27/96	9/4/96	D. Moe, CMC	B. Wopat, COE	Receipt of some of requested data, GPS of private wells not rec.	
8/27/96	9/4/96	A. Milham, FCP	J. Wonsik, COE	Trust Responsibilities	
8/28/96	9/4/96	A. Ackley, Sokaogon	R. Harrill, CMC	Spirit Hill concerns	
8/28/96	9/6/96	J. Teller, MITW	J.M. Wonsik, COE	Response to Menominee concerns re: EIS	
9/1/96	9/1/96	D. Cozza, EPA	T. Griep, Citizen	e-mail, concerned citizen	
9/4/96	9/6/96	D. Ballman, COE	D. Moe, CMC	Cultural Resources: Determination of Eligibility for Keith's Siding site.	
9/5/96	9/28/96	B. Wopat, COE	C. Curtis, Foley/Lardner	GW Diversion position paper	
9/6/96	9/10/96	D. Moe, CMC	C. Carlson, WDNR	Comments on the CMC Backfill Source Term Derivation Work Plan	
9/6/96	9/16/96	B. Koenen, Mole Lake	B. Wopat, COE	Traditional Cultural Properties Assessments; w/attachment	
9/10/96	9/16/96	J. Sevick, FVD	P. Anderson, GeoTrans	Sensitivity of Little Sand Lake stage to changes in rating equation parameters	
9/11/96	9/16/96	J. Sevick, FVD	S. Donohue, FVD	1996 Lake Outlet Flow Monitoring Data	
9/12/96	9/16/96	C. Carlson, WDNR	D. Moe, CMC	enclosed memo from GeoTrans (See 9/10/96 above)	
9/12/96	9/12/96	D. Cozza, EPA	P. Chiu, Sierra Club	GW Diversion issue Fax	
9/13/96	9/16/96	B. Wopat, COE	D. Moe, CMC	COE request for GPS Survey of Private wells used in the projects's regional gw model	
9/18/96	9/26/96	C. Browner, EPA	D. Obey, US House	Concerns re: mining project	
9/23/96	9/26/96	J. Teller, MITW	J.M. Wonsik, COE	RE: response to Menominee EIR comments	
9/27/96	9/27/96	D. Cozza, EPA	J. Purvis, Citizen	e-mail, info request	
9/27/96	10/15/96	D. Blouin, Mining Impact Coalition	Tim Tynan, Mining Impact Coalition	Socioeconomic Review of Crandon Project	
10/1/96	10/1/96	COE/EPA	J. Koss, MITW	Request for assistance re: monitoring well installation: fax	
10/1/96	10/1/96	D. Cozza, EPA	C. Miller, Senate Levin	GW Diversion issue Fax w/attachments	
10/1/96	10/4/96	C. Carlson, WDNR	K. Black, CMC	Supplementary Waste Characterization Studies, w/attachment	
		D. Ballman, COE			
10/1/96	10/4/96	C. Carlson, WDNR	D. Moe, CMC	Supplementary Waste Characterization	
10/3/96	10/10/96	M. Lancaster, U.S. Army	C. Levin, U.S. Senate	GW Diversion issue Fax to D. Cozza, EPA from C. Miller, Levin's office	
10/4/96	10/10/96	J.M. Wonsik, COE	A. Ackley, Sokaogon	Socioeconomic: IMPLAN Model request response	
10/96	10/16/96	-----	WDNR	Status Report on WDNR review of proposed mine	
10/8/96	10/10/96	V. Adamkus, EPA	A. Ackley, Sokaogon	Request for Meeting on Crandon Mine and White Pine Mine Proposals	
10/9/96	-----	C. Carlson, WDNR	J. Coleman, GLIFWC	Comments on FVD memo of 9/11 titled "1996 Lake Outlet Flow Monitoring	

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<u>DATE OF LETTER</u>	<u>DATE OF RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
10/9/96	-----	C. Carlson, WDNR	J. Coleman, GLIFWC	Data”	
				Comments on GeoTrans 9/10/96 memo titled “Sensitivity of Little Sand Lake stage to changes in rating equation parameters”	
10/10/96	-----	C. Carlson, WDNR	J. Coleman, GLIFWC	Elevations of Crandon site lake stages and wells	
10/10/96	10/10/96	D. Cozza, EPA	J. Calahong, Citizen	e-mail, info request	
10/11/96	10/15/96	M. Meyers, COE	J. Coleman, GLIFWC	Accurate vertical and horizontal location of private wells	
10/14/96	10/17/96	C. Carlson, WDNR	D. Moe, CMC	Backfill Mine Source Term Derivation	
10/15/96	10/18/96	D. Moe, CMC	C. Fitzgerald, WDNR	WDNR water well inventory	
10/16/96	10/21/96	A. Ackley, Sokaogon	R. Harrill, CMC	Private Water well survey	
10/18/96	10/28/96	P. Shopodock, FCP	J. Wonsik, COE	Traditional Cultural Properties, w/enclosure: Also sent to other tribes	
10/21/96	10/28/96	D. Ballman, COE	D. Moe, CMC	Response to EPA 8/2/96 EIR Comment Letter, w/attachment	
10/22/96	11/1/96	B. Tans, WDNR	D. Moe, CMC	EIR submittal re: Section 3.9, terrestrial biology	
		D. Ballman, COE			
10/23/96	10/28/96	D. Cherkauer	C. Carlson, WDNR	USGS response letter to letter of 7/10/96; attachment	
10/24/96	10/28/96	D. Moe, CMC	C. Carlson, WDNR	Monitoring Little Sand Lake Outflow/Creek 12-9 Flow & predicting Outlet flow	
10/25/96	11/1/96	J. Wonsik, COE	J. Teller, Menominee	EIR comments w/attachments	
10/25/96	10/25/96	D. Cozza, EPA	T. Schneider, Citizen	e-mail, concerned citizen	
10/30/96	10/30/96	D. Cozza, EPA	R. Litzau, Citizen	e-mail, concerned citizen	
10/30/96	10/30/96	D. Cozza, EPA	M. Barrett, Citizen	e-mail, concerned citizen	
10/31/96	11/4/96	D. Moe, CMC	B. Wopat, COE	Response to 6/11 and 8/27/96 letters from CMC re: GPS of private wells	
10/31/96	-----	B. Wopat, COE	Federal EIS participants	Cover letter to EPA EIR comment response from CMC	
11/1/96	11/8/96	B. Wopat, COE	J. Schlender, GLIFWC	GW Diversion issue, position paper	
11/5/96	11/8/96	D. Cozza, EPA	W. Tans, WDNR	Info request re: tribal data	
11/6/96	-----	D. Cozza, EPA	D. Moe, CMC	EPA Homepage comments	
11/13/96	11/13/96	D. Cozza, EPA	C. Carlson, WDNR	e-mail, comment on EPA Crandon Mine Project homepage	
11/13/96	11/18/96	C. Carlson, WDNR	K. Black, CMC	Supplementary Waste Characterization Studies	
		D. Ballman, COE			
11/14/96	-----	B. Wopat, COE	C. Curtis, Foley/Lardner	GW diversion/Reply memo on applicability of WRDA’86	
11/14/96	11/4/96	D. Cozza, EPA	L. Miller, Citizen	e-mail, concerned citizen	
11/15/96	11/25/96	J. Griffin, Sokaogon	D. Cherkauer	Review of revised version of gw flow model study report	
11/18/96	11/27/96	A. Ackley Sr., Sokaogon	J.M. Wonsik, COE	request for info on well logs	

U.S. EPA: INCOMING CORRESPONDENCE REGARDING CRANDON MINE PROJECT

<u>DATE OF LETTER</u>	<u>DATE OF RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
11/20/96	11/20/96	J. Wonsik, COE	Tribal Chairs	Tribal involvement in Fed. EIS	
11/26/96	11/26/96	D. Cozza, EPA	S. Kartman, Citizen	e-mail, concerned citizen	
11/27/96	11/29/96	meeting participants	C. Carlson, WDNR	12/9/96 gw meeting announcement	
12/2/96	12/5/96	Tribal Chairs	W. Tans, WDNR	WDNR Air review update and concerns request	
12/2/96	12/6/96	J. Doyle, WI-AG	J. Teller, MITW	request for information	
12/3/96	12/6/96	C. Carlson, WDNR	D. Moe, CMC	1996 Bur Oak Monitoring Data and Survey of USGS Benchmark	
		M. Meyers, COE			
12/3/96	12/20/96	B. Wopat, COE	D. Moe, CMC	Response to USCOE 9/5/96 EIR Comment Letter	
12/5/96	12/13/96	D. Moe, CMC	C. Carlson, WDNR	WDNR/USGS GW sampling for Mercury	
12/6/96	12/13/96	J. Teller, MITW	J.M. Wonsik, COE	Affected Environment section of EIS concerns	
12/10/96	12/13/96	M. Meyers, COE	J. Coleman, GLIFWC	Surface water data and analysis	
12/14/96	2/18/97	White House	B. Gould, Citizen	Concerned Citizen, e-mail	
12/17/96	12/20/96	Fed. EIS Parties	B. Wopat, COE	Meetings schedule: 1/13-14/97 re: EIR comments and GW modeling by COE	
12/17/96	12/20/96	C. Carlson, WDNR	J. Coleman, GLIFWC	Calibration targets and non-random residuals in the flow model of 8/96: Letter reprinted Jan 10, 1997	
				Meeting summary and follow-up	
12/17/96	12/24/96	J. Wonsik, COE	J. Teller, Menominee	Response to 11/5/96 Memorandum RE: WPDES	
12/18/96	12/24/96	P. Luebke, WDNR	D. Moe, CMC	Proposal to EPA for surface development; surface elevation map; Fax	
12/19/96	12/20/96	USEPA	J. Coleman, GLIFWC	EIS roles	
12/19/96	12/24/96	H. Frank, FCP	J.M. Wonsik, COE	WPDES Permit Application, Addendum #1	
12/20/96	-----	P. Luebke, WDNR	D. Moe, CMC		
		D. Ballman, COE			
12/20/96	1/2/97	P. Luebke, WDNR	D. Moe, CMC	Preliminary Engineering Report for Wastewater Treatment Facilities	
		D. Ballman, COE			
12/20/96	1/24/97	C. Carlson, WDNR	J. Coleman, GLIFWC	Comments on weather data used in the steady state and Glacial Aquifer test calibrations (EIR) appx 4.2-3, dated 8/28/96)	
1/3/97	1/3/97	D. Cozza, EPA	M. Jordan, Citizen	e-mail, concerned citizen	
1/7/97	1/8/97	J.M. Wonsik, COE	A. Ackley Sr. Sokaogon	Meeting with Tribes and Federal Agencies to Discuss the Sufficiency of the Responses to Comments from CMC: Fax	
1/7/97	1/8/97	J.M. Wonsik, COE	A. Ackley Sr., Sokaogon	Correction of the Memo for Record Summarizing the 11/20/96 Meeting: fax	
1/9/97	1/10/97	J.M. Wonsik, COE	A. Ackley Sr., Sokaogon	Status of Tribal Review of CMC-EIR, Tribal/Agency Comments and CMC Responses. Request for Assistance. Fax	
1/9/97	1/14/97	A. Ackley, Sokaogon	J.M. Wonsik, COE	Concern re: interagency/tribal staff meetings	

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1/9/97	1/14/97	D. Moe, CMC	C. Carlson, WDNR	Initial review comments on the CMC gw flow model, dated 8/96	
1/10/97	1/14/97	D. Moe, CMC	D. Lang, WDNR	Comments on Water Regulatory Permit Application dated 6/1996	
1/12/97	1/16/97	C. Carlson, WDNR	J. Coleman, GLIFWC	Correction to "Calibration targets and non-random residuals in the flow model of 8/96" memo	
1/15/97	1/27/97	J.M. Wonsik, COE	A. Ackley Sr., Sokaogon	Forest County Wetland Inventory Delineation; attachments	
1/16/97	-----	D. Moe, CMC	C. Carlson, WDNR	Comments rec. From interested parties on the Crandon Mine GW flow model	
1/17/97	1/28/97	B. Tans, WDNR	D. Moe, CMC	Addendum No.1 to the Water Regulatory Permit Application for the Proposed Site and Treated Wastewater Discharge Pipeline	
1/20/97	1/27/97	D. Ballman, COE		Response to Watershed Analysis requested by USEPA; fax from COE	
1/22/97	-----	B. Wopat, COE	D. Moe, CMC	GW diversion issue	
1/23/97	1/23/97	M. Lancaster, U.S. Army	J. Scharzmann, Eccola	e-mail, concerned citizen	
1/26/97	1/26/97	D. Cozza, EPA	M. Harris, Citizen	e-mail, concerned citizen	
1/28/97	1/29/97	D. Cozza, EPA	J. Meyer, Citizen	Response to request for assistance	
1/28/97	1/31/97	A. Ackley, Sokaogon	J.M. Wonsik, COE	Response: Corrections to memo for record re: 11/20/96 meeting	
1/29/97	2/3/97	A. Ackley, Sokaogon	J.M.Wonsik, COE	Issues re: hydrology of the mine site	
1/31/97	2/5/97	M. Meyers, COE	R. Ferdinand, Sokaogon	Response re: Forest County floodplain/zoning ordinances	
2/97	-----	A. Ackley Sr., Sokaogon	J.M. Wonsik, COE	Mole Lake Environmental Newsletter Issue #2	
2/3/97	2/5/97	Newsletter	Mole Lake	Available Arc/Info GIS layers from GW model development	
2/6/97	2/14/97	D. Moe, CMC	C. Carlson, WDNR	Monitoring Wells and Staff Gages Topographic Coordinates	
2/7/97	2/10/97	M. Meyers, COE	R. Ferdinand, Sokaogon	GW Diversion of Great Lakes Water	
		J. Engler, MI Gov.	M. VanPutten, NWF and others		
2/10/97	2/19/97	D. Moe, CMC	L. Lynch, WDNR	MPA comments	
2/10/97	2/10/97	B. Miller, EPA	Mr and Mrs. Mills	concerned citizens	
2/10/97	2/14/97	B. Wopat, COE	A. Ackley Sr., Sokaogon	Final Notice of Issuance, Reissuance, and Modification of Nationwide Permits, Part VII Federal Register (61FR65874-65922)	
2/13/97	2/19/97	D. Cozza, EPA	Mr and Mrs. Pfleger	concerned citizens	
2/14/97	2/19/97	C. Carlson, WDNR	J. Coleman, GLIFWC	Follow up to comments dated 12/20/96 re: glacial aquifer test	
2/14/97	2/19/97	A. Ackley, Sokaogon	J. Wonsik, COE	Response to Ackley's 1/7/97 letter re: EIS concerns and meetings	
2/15/97	2/15/97	D. Cozza, EPA	C. Bregar, Citizen	e-mail, concerned citizen	
2/15/97	2/18/97	D. Cozza, EPA	J. Salinas, Citizen	concerned citizen, mining moratorium	
2/18/97	3/5/97	J. Griffin, Sokaogon	D. Cherkauer	gw modeling and surface water mitigation comments: fax from J. Griffin also on 5/16/97	

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<u>DATE</u> <u>OF</u> <u>LETTER</u>	<u>DATE</u> <u>OF</u> <u>RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
2/18/97	2/18/97	D. Cozza, EPA	M. Orlovsky, BSA	e-mail, concerns re: nearby Boy Scout Camp	
2/18/97	2/24/97	Apesanahkwat, Menominee	J. Wonsik, COE	Traditional Cultural Properties protocol	
2/18/97	2/24/97	P. Shopodock, FCP	J. Wonsik, COE	Traditional Cultural Properties protocol	
2/19/97	2/28/97	C. Carlson, WDNR	J. Coleman, GLIFWC	Weir construction at Little Sand Lake proposed in CMC's 1/17/97 memo	
2/21/97	2/21/97	D. Cozza, EPA	E. Gayhart, Citizen	e-mail, concerned citizen	
2/24/97	2/26/97	C. Carlson, WDNR	D. Moe, CMC	GW Model, GIS coverages used in gw flow and solute transport models; not sent to EPA	
2/27/97	2/27/97	D. Cozza, EPA	E. Gayhart, Citizen	e-mail, concerned citizen	
2/27/97	3/3/97	J.M. Wonsik, COE	K. Stromborg, FWS	EIR comments	
2/27/97	3/3/97	M. VanPutten, NWF And others	G. Mehan, MI DEQ	GW Diversion issue	
2/28/97	3/6/97	D. Moe, CMC	B. Wopat, COE	info needs for FEMWATER	
3/3/97	3/10/97	C. Carlson, WDNR	D. Moe, CMC	GW Model: Response to WDNR initial review comments dated 1/9/97	
3/3/97	3/5/97	D. Cozza, EPA	M. Burkholder, WDNR	Air Permit Application meeting on 3/19/97 w/agenda	
3/5/97	3/5/97	D. Cozza, EPA	E. Gayhart, Citizen	e-mail, concerned citizen	
3/7/97	3/3/97	P. Shopodock, FCP	M. Burkholder, WDNR	Air Permit Application meeting on 3/19/97; fax	
3/8/97	3/31/97	C. Browner, EPA	R. Hansen, Citizen	concerned citizen	
3/9/97	3/9/97	D. Cozza, EPA	Mr and Mrs. G. Jones	e-mail, concerned citizens, mining moratorium	
3/9/97	4/16/97	B. Clinton, President	D. Summers, Citizen	Concerned Citizen	
3/18/97	3/25/97	B. Wopat, COE	D. Moe, CMC	COE 2/28/97 request for Stream Flow data: data not provided to EPA	
3/24/97	-----	W. Tans, WDNR	D. Moe, CMC	list of potential destinations for mine concentrates	
3/26/97	4/7/97	D. Cozza, EPA	C. Zidick, Citizen	Waste Characterization concerns/TMA issue	
3/27/97	-----	D. Cozza, EPA	R. Giudice, Citizen	Waste Characterization concerns/TMA issue	
4/1/97	4/7/98	B. Wopat, COE	D. Moe, CMC	CMC responses to COE 8/2/96 TMA FR review letter	
4/2/97	4/7/97	C. Carlson, WDNR	D. Moe, CMC	GW Model: Response to Comments from interested parties	
4/4/97	4/14/97	M. Meyers, COE	M. Nelson, H&W M. Frimpter, H&W	comments re: streamflow analyses: at request of FCP	
4/10/97	4/10/97	Press Release	WDNR	DNR to remodel portion of WI River for dissolved oxygen: fax	
4/22/97	5/5/97	D. Lang, WDNR	D. Moe, CMC	CMC response to WDNR 1/10/97 Water Regulatory Permit Review Letter	
4/24/97	5/20/97	EPA, HQ	K. Carlson, Citizen	concerned citizen	
4/17/97	4/22/97	D. Moe, CMC	C. Carlson, WDNR	Proposed Crandon Project SW Mitigation Plan	

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<u>DATE</u> <u>OF</u> <u>LETTER</u>	<u>DATE</u> <u>OF</u> <u>RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
4/30/97	5/6/97	B. Wopat, COE	D. Moe, CMC	Response to 5/30/96 COE TMA review letter	
5/5/97	5/5/97	D. Cozza, EPA	J. Birkey, Citizen	e-mail, info request	
5/5/97	5/5/97	D. Cozza, EPA	<ndavlantes@aol.com>	e-mail, concerned citizen	
5/5/97	5/9/97	Apesanahkwat, Menominee	J.M. Wonsik, COE	economic review, INPLAN Model	
5/5/97	5/12/97	D. Young, WDNR	D. Moe, CMC	Air Permit Application questions/responses	
5/5/97	5/12/97	D. Theiler, WDNR	D. Moe, CMC	Air Pollution Control Permit Application update	
		D. Ballman, COE			
5/6/97	5/6/97	D. Cozza, EPA	S. Jones, Citizen	e-mail, concerned citizen	
5/6/97	5/12/97	D. Cozza, EPA	E. Jepsen, WDNR	Summary of 3/19/97 WDNR/Tribal/Agency air quality meeting	
5/7/97	5/7/97	D. Cozza, EPA	T. Olsen, Citizen	e-mail, info request	
5/15/97	5/28/97	M. Lancaster, U.S. Army	K. Henschel, Mining Impact Coalition of WI	Interbasin Transfer/GW diversion issues	
5/16/97	5/22/97	D. Moe, CMC	C. Carlson, WDNR	Review of comments on CMC GW flow model, dated 8/96: Bedrock interface representation	
5/18/97	5/18/97	D. Cozza, EPA	C. Elquist, Citizen	e-mail, concerned citizen	
5/19/97	5/28/97	Public	WDNR	Public Concerns re: Crandon mine and DNR Responses: Summary of WDNR meeting in New London, WI on 4/9/97	
5/20/97	5/20/97	EPA	J. Hermanson, Citizen	concerned citizen	
6/2/97	6/12/97	C. Carlson, WDNR	G. Howlett, Menominee	Draft Conceptual framework for CMC SW Mitigation Plan; w/attachments	
6/3/97	6/3/97	D. Cozza, EPA	J. Griffin, Sokaogon	CMC responses to D. Cherkauer flow model concerns; fax	
6/4/97	6/9/97	L. Lynch, WDNR	D. Moe, CMC	Response to WDNR 2/10/97 MPA comments; w/attachments	
6/4/97	6/10/97	C. Carlson, WDNR	J. Smith, U.S. FWS	Draft Conceptual framework for development of the Crandon Mine SW Mitigation Plan	
6/4/97	6/10/97	A. Ackley, Sokaogon	J.M. Wonsik, COE	Data request response	
6/5/97	6/11/97	D. Cozza, EPA	B. Wopat, COE	Submittal of Barr Report entitled, "Independent Analysis of Hydrology Data and Groundwater Modeling Calibration Target Data"	
6/10/97	6/13/97	C. Carlson, WDNR	D. Cherkauer	Comments on CMC 4/2/97 responses to "response to comments from Interested Parties"	
6/15/97	6/15/97	Reg. 5	Albert Ettinger, Sierra Club	Information Request; hand delivered	
6/16/97	6/17/97	Federal EIS parties	B. Wopat, COE	FEMWATER meeting announcement	
6/17/97	6/19/97	Public	WDNR	Public Concerns re: Crandon mine and DNR Responses: Summary of WDNR	

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6/18/97	6/20/97	D. Ullrich, EPA	J. Wonsik, COE	meeting in Ainsworth, WI on 4/28/97	
6/18/97	6/18/97	Federal EIS parties	J. Ahlness, COE	EPA Watershed Model concurrence	
6/18/97	6/23/97	D. Moe, CMC	B. Wopat, COE	Agenda for 6/25/97 FEMWATER meeting in St. Paul	
6/23/97	6/23/97	D. Cozza, EPA	J. Hembling, Citizen	Summary of hydrology review and request for more info	
6/23/97	6/26/97	D. Moe, CMC	C. Carlson, WDNR	e-mail: info request	
				Guidance for Placement of Recommended High Conductivity Regions in Model Layer 4	
6/25/97	7/3/97	Misc. parties	D. Ballman, COE	transmittal of overheads from 6/25/97 FEMWATER meeting; attachment	
6/26/97	7/3/97	C. Carlson, WDNR	J. Coleman, GLIFWC	Appropriate runoff banking period in MODFLOW lake stage model	
		M. Meyers, COE			
6/27/97	7/3/97	Public	WDNR	Public Concerns re: Crandon mine and DNR Responses: Summary of WDNR meeting in Crandon, WI on 5/14/97	
7/1/97	7/7/97	Apesanahkwat, Menominee	M. Meyers, COE	GW Modeling Tech Meeting at COE concerns	
7/1/97	7/7/97	B. Wopat, COE	D. Moe, CMC	CMC stance on EPA Watershed Model; faxed to EPA by COE	
7/1/97	7/11/97	D. Moe, CMC	C. Carlson, WDNR	Comments on the CMC response to the 1/97 WDNR gw flow model review letter, dated 3/3/97	
7/3/97	7/11/97	D. Ballman, COE	J. Coleman, GLIFWC	Prediction of mine inflow rates needed for impact evaluation	
7/3/97	7/8/97	D. Moe, CMC	C. Carlson, WDNR	Review Comments on the CMC GW flow model, dated 8/96: geologic interpretation: 6/20/97 memo from K. Bradbury, WGNS, attached	
7/3/97	-----	C. Carlson, WDNR	J. Attig, UW-GNHS	Stratigraphy of glacial sediment: w/attachments	
7/4/97	7/11/97	C. Carlson, WDNR	J. Coleman, GLIFWC	MODFLOW model fit to observed lake stages	
		M. Meyers, COE			
7/10/97	7/15/97	J.M. Wonsik, COE	Apesanahkwat. MITW	ACOE/WES GW Model scoping analysis and technical approach. Support of EPA SW modeling effort.	
7/10/97	7/22/97	K. Bradbury, WGNHS	D. Cherkauer	Re: 5/12/97 memo on saprolite pump test: fax from J. Griffin, Sokaogon	
7/11/97	7/15/97	P. Luebke, WDNR	D. Moe, CMC	BOD limits for WI River	
7/15/97	7/17/97	C. Carlson, WDNR	D. Moe, CMC	Response to WDNR consultant Dr. Crouch, re: 2 dimensional Crown Pillar analysis dated 6/13/96: Report by Agapito Assoc. "Numerical Analysis Results for Evaluation of the Influence of Mining on the Crown Pillar, Crandon Deposit" dated 7/97	
7/17/97	7/24/97	D. Cozza, EPA & others	K. Fish, Menominee	transcript of July conf. Call	
7/18/97	7/24/97	B. Miller, EPA	P. Derks, Citizen	concerned citizen	

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7/18/97	7/23/97	B. Wopat, COE	D. Moe, CMC	CMC response to COE 6/18/97 gw modeling letter	
7/20/97	7/20/97	D. Cozza, EPA	Troy Wasmer, citizen	Job Request w/CMC: Copy given to K. Black of CMC on 7/21/97	
7/21/97	7/28/97	Editorial Page Editors	T. Power, U of MT	Economic Promise	faxed to D. Cozza by S. Wreczycki
7/21/97	7/28/97	-----	WDNR	Summary of public comments and questions from the 5/28/97 public meeting at Wausau, WI, with WDNR responses.	
7/22/97	7/23/97	D. Cozza, EPA	J. Clay, Citizen	concerned citizen	
7/25/97	7/29/97	W. Tans, C. Carlson	D. Moe, CMC	Completeness Determination on the Feasibility Report for the TMA	
		B. Grefe, WDNR			
7/28/97	8/4/97	D. Kee, EPA	L. Eagan, WDNR	RE: Radionuclides	
7/29/97	8/4/97	C. Carlson, WDNR	D. Moe, CMC	SW Mitigation Planning	memo attached from FVD to D. Moe, CMC re SW mitigation plan
7/29/97	7/29/97	D. Cozza, EPA	M. Kopp, Citizen	email - concerned citizen	
7/31/97	8/8/97	D. Moe, CMC	B. Wopat, COE	commitment to review TMA report and Geosynthetic Material report.	
8/7/97	8/18/97	B. Tans, WDNR	D. Moe, CMC	EIR Update	Section 3.5.5, Waste Characterization
		D. Ballman, COE			
8/8/97	8/10/97	R. Harrill, CMC	W. Breyfogle, COE	COE Jurisdiction, "Tulloch Rule"; w/attachment fax	
8/8/97	8/12/97	R. Harrill, CMC	W. Breyfogle, COE	GW Diversion/WRDA '86 applicability decision	
8/11/97	8/18/97	J. Wonsik, COE	A. Ackley Sr., Sokaogon	GW modeling issues; attached letters from D. Cherkauer to J. Griffin dated 7/3 and 7/10/97 re: gw model issues	
8/13/97	8/18/97	D. Cozza, EPA	A. Ackley Sr., Sokaogon	Invitation to a meeting to discuss the proposed Crandon Mine project; agenda attached	
8/14/97	8/19/97	M. Meyers, COE	R. Ferdinand, Sokaogon	Comments on Barr Report re: hydrology data for the groundwater model	
8/15/97	8/22/97	D. Moe, CMC	C. Carlson, WDNR	GW model issues attached letter from C. Dunning (USGS)/D. Johnson (WDNR) to C. Carlson dated 8/15/97 re: gw model issues.	
8/19/97	9/9/97	D. Cozza, EPA	Dr. G. Kline, Citizen	concerned citizen	
8/22/97	9/2/97	D. Grande, WDNR	D. Moe, CMC	Ambient Air Metal Attachments	
				Concentrations	
8/22/97	8/25/97	Interested Parties	C. Carlson, WDNR	Technical meeting on SW Mitigation for the proposed Crandon Mine.	
				Meeting notes attached.	
8/22/97	8/25/97	Public	WDNR	Public Concerns re: Crandon mine and DNR Responses: Summary of WDNR meeting in Tomahawk, WI on 6/18/97	
8/25/97	8/29/97	D. Cozza, EPA	J. Griffin, Sokaogon	Notice of Schedule change for meeting to discuss the proposed Crandon Mine	

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8/26/97	9/17/97	Sen. Feingold	Apesanahkwat Menominee Nation	project. Agenda attached Groundwater Modeling concerns re: data quality. Requests investigation of data. Other copies of letter faxed earlier or on Internet. Attachments	
8/26/97	9/3/97	C. Carlson, WDNR M. Meyers, COE	J. Coleman, GLIFWC	Wetland incorrectly identified as upland	
8/27/97	8/27/97	Global Distribution	A. McCombs, Menominee	Request investigation of CMC's Groundwater Flow Model Data and that permitting process be put on hold. Internet w/attachments	
8/28/97	9/2/97	C. Carlson, WDNR	J. Coleman, GLIFWC	Correction of Weir construction memo of 2/19/97	
8/29/97	9/2/97	C. Carlson, WDNR	D. Moe, CMC	Waste Characterization; attached memo to J. Sevvick, FVD from J. Chapman dated 8/28/97 re: waste characterization studies	
8/29/97	9/4/97	C. Carlson, WDNR M. Meyers, COE	J. Coleman, GLIFWC	Depth of soil in TMA cap design.	
9/2/97	9/2/97	conf. call addressees	J. Ahlness, COE	Time/date/agenda for next governmental conf. call - fax	
9/3/97	-----	-----	P. Smith, Sokaogon	Sokaogon Resolution re: mining prohibition	
9/3/97	9/9/97	W. Tans, WDNR D. Ballman, COE	J. Coleman, GLIFWC	Data Quality Concerns	
9/7/97	9/17/97	EPA Reg. 5 Office	H. Clark, Citizen	Concerned Citizen	
9/7/97	9/8/97	D. Cozza, EPA	J. Wise, Citizen	email - Update to EPA homepage?	
-----	9/8/97	D. Cozza, EPA	M. McRurk, EAC	Concerned Citizen	
-----	9/8/97	D. Cozza, EPA	T. Depuy, EAC	Concerned Citizen	
-----	9/8/97	D. Cozza, EPA	S. Beach, EAC	Concerned Citizen	
-----	9/8/97	D. Cozza, EPA	S. Blossom, EAC	Concerned Citizen	
9/8/97	9/8/97	D. Cozza, EPA	J. Wise, Citizen	Homepage comment, e-mail	
9/8/97	9/17/97	Public	WDNR	Public Concerns re: Crandon mine and DNR Responses: Summary of WDNR meeting in Green Bay, WI on 6/19/97	
-----	9/9/97	D. Cozza, EPA	M. French, EAC	Concerned Citizen	
-----	9/9/97	D. Cozza, EPA	P. Deringer, EAC	Concerned Citizen	
9/10/97	9/17/97	C. Carlson, WDNR	D. Moe, CMC	Response to WDNR review letters from May 1997 through August 1997 re: Groundwater modeling: Attachment FVD to CMC	
9/15/97	9/17/97	J. Kelley, EPA	Beloved22@aol.com	Concerned citizen, e-mail	
9/15/97	9/22/97	D. Cozza, EPA & others	K. Fish, MITW	Transcript of 9/9/97 monthly conf. call	
9/16/97	9/26/97	D. Cozza, EPA & others	K. Fish, MITW	Revised copy of 9/9/97 transcript of monthly conf. call	

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<u>DATE OF LETTER</u>	<u>DATE OF RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
9/19/97	9/22/97	D. Cozza, EPA	S. Donahue, FVD	Submittal of request info re: stream gage data, maps, flow data, cross sections	
9/19/97	9/23/97	W. Tans, WDNR	A. Ettinger, Env.	Participation in reviews and technical meetings; comments on EIR	
		D. Ballman, COE	Law&Policy Center	Representing Sierra Club	
9/23/97	9/25/97	Meeting Participants	C. Carlson, WDNR	Announcement of upcoming gw model/geologic representation tech. meeting on 10/3/97	
9/25/97	9/25/97	D. Cozza, EPA	T. Pubanz, Citizen	Information Request - e-mail	
9/25/97	9/25/97	D. Cozza, EPA	T. Pubanz, Citizen	2nd e-mail incl. 2 questions	
9/26/97	10/3/97	D. Moe, CMC	Tans, Carlson, & Greffe, WDNR	Completeness Determination on the Feasibility Report for the TMA	
9/29/97	10/8/97	K. Thiel, USDA	B. Pillsbury, Mole Lake	Beaver dam removal	
-----	10/2/97	D. Cozza, EPA	B. Hayes, EAC	Concerned Citizen	
-----	10/2/97	D. Cozza, EPA	M. Mahor, EAC	Concerned Citizen	
10/2/97	10/7/97	C. Carlson, WDNR	J. Coleman, GLIFWC	GW Model: re: CMC meeting of 9/16/97	
10/3/97	10/15/97	D. Cozza, EPA	B. Wopat, COE	COE tribal trust responsibilities: attachment	
10/6/97	10/15/97	Public	WDNR	Public Concerns Regarding the Proposed Crandon Mine & WDNR Responses from the 7.31.97 meeting in Rhinelander, WI	
10/7/97	10/15/97	C. Carlson, WDNR	D. Moe, CMC	Groundwater modeling, w/3 attachments re: Pickerel Creek surface/gw divide and drainage canals (10/7/97); Procedure used to define glacial stratigraphy (9/29/97); Memo on 9/22/97 conf. call re: qw model issues	
10/8/97	10/16/97	D. Moe, CMC	C. Carlson, WDNR	Crown Pillar Stability: w/attachment from S. Crouch to C. Carlson dated 9/27	
10/10/97	12/2/97	R. Pillsbury, Mole Lake	B. Willging, USDA	Beaver Dam	
10/14/97	10/20/97	K. Thiel, USDA/APHIS	J. Coleman, GLIFWC	Beaver Dam removal on Swamp and Hemlock Creeks	
10/14/97	10/22/97	D. Cozza, EPA, D. Ballman, COE J. Coleman, GLIFWC	J. Schimpff, WDNR	WDNR draft index for state EIS w/memo dated 7/21/97 from G. Meyer to WDNR Crandon Team regarding review schedule.	
10/14/97	10/22/97	G. Meyer, WDNR	A Ackley, Sokaogon	WDNR comments re: Mole Lakes's Investigation of Swamp Creek Baseline conditions - Metals Toxicity to Aquatic Species	
10/15/97	10/20/97	C. Carlson, WDNR	D. Moe, CMC	GW Model w/attachments summarizing 10/3 meeting; large maps	
10/17/97	10/22/97	J. Roth, WDNR	D. Moe, CMC	Air Pollution Control Permit	
10/17/97	-----	R. Pillsbury, Sokaogon	B. Willging, USDA	Beaver Dam removal issue	
10/18/97	10/27/97	EPA	G. Johnson, Citizen	Information request	
10/19/97	11/12/97	W. Tans, WDNR	Ainsworth Town Board	Trout Stream/Creek 13-15 concerns	

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10/23/97	10/28/97	C. Carlson, WDNR	D. Moe, CMC	GW Model/Lacustrine sediments	
10/24/97	10/29/97	Interested parties	C. Carlson, WDNR	Working session on Pump Test Analysis, 11/4-5/97 in Milwaukee	
10/31/97	11/6/97	J. Wonsik, COE	J. Smith, FWS	Request for additional data; bio-monitoring	
11/4/97	11/4/97	Fed. EIS Parties	B. Wopat, COE	Announcement of FEMWATER meeting in St. Paul on 11/20: fax	
11/4/97	11/10/97	C. Carlson, WDNR	D. Moe, CMC	Reflooded Mine Source Term	
11/6/97	11/6/97	D. Cozza, EPA	D. Vounckx, citizen	concerned citizen	
11/7/97	11/13/97	C. Carlson, WDNR	D. Moe, CMC	Procedure and Outline for Submittal of Updated GW Model	
11/9/97	11/21/97	W. Tans, WDNR	J. Coleman, GLIFWC	Biota at the Crandon Site: Special Concern species - Pickerel Frog	
11/9/97	11/13/97	C. Carlson, WDNR	D. Cherkauer,	GW Model issues	
		M. Meyers, COE			
11/10/97	11/17/97	EIS Participants	B. Wopat, COE	FEMWATER 11/20 meeting agenda and overheads	
11/11/97	11/14/97	C. Gravitter, Ainsworth	W. Tans, WDNR	Creek 13-15/trout stream concerns	
11/13/97	11/13/97	D. Cozza, EPA	S. Gottlieb, Cong.aide	House Great Lakes Task Force/Office of Honorable S. LaTourette, RE:	
				Groundwater Diversion information request: e-mail	
11/13/97	11/18/97	D. Moe, CMC	P. Luebke, WDNR	BOD Limits for the WI River	
11/13/97	11/21/97	D. Moe, CMC	D. Lang, WDNR	Little Sand Creek outlet weir on Creek 12-9	
11/17/97	11/24/97	D. Moe, CMC	C. Carlson, WDNR	Comments on Solute Transport modeling	
11/17/97	11/24/97	C. Carlson, WDNR	J. Coleman, GLIFWC	Recharge in discharge wetlands	
11/19/97	11/24/97	C. Carlson, WDNR	J. Coleman, GLIFWC	Development of geologic profile points and calculation of average layer thickness and percentages	
11/19/97	11/25/97	C. Carlson, WDNR	D. Moe, CMC	Groundwater Model - summary of 11/4-5 GW modeling working session	
11/19/97	-----	R. Pillsbury, Mole Lake	S. AveLallemant, WDNR	Beaver dam removal by WDNR and APHIS	
11/20/97	11/28/97	J. Wonsik, COE	Town of Ainsworth	support for baseline bio-monitoring outlined in FWS 10/31/97 letter	
11/24/97	12/3/97	Apesanahkwat, Menominee	J. Wonsik, COE	Groundwater Diversion	
12/2/97	12/8/97	G. Meyer, WDNR	A. Ackley, Sokaogon	Response to 10/97 WDNR comments on Sokaogon Environmental Dept. Investigations of Swamp Creek Baseline Conditions and Metals Toxicity to Aquatic Species	
12/4/97	12/9/97	ladies & gentlemen	C. Carlson, WDNR	Dept. Consultant Assessment of the HELP Model Water Balance Calculations for the Proposed Crandon Mine Tailings Facility'	
12/8/97	12/10/97	D. Moe, CMC	B. Wopat, COE	TMA outstanding issues	
12/8/97	12/15/97	Great Lakes Govs.	J. Wonsik, COE	Groundwater diversion	
12/9/97	12/16/97	L Morrin, BIA	A. Ackley, Sokaogon	Beaver Dam Removal issue w/USDA	

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12/9/97	12/15/97	C. Carlson, WDNR	D. Moe, CMC	GW Model - Summary of 11/18/97 Conf. Call on Representation of Outwash Discontinuity/Transition Zone in Regional GW model	
12/11/97	12/16/97	C. Carlson, WDNR	M. Dillenburg, FVD	GW Model - agenda and attendance sheet for 11/4-5 gw model meeting	
12/15/97	12/23/97	D. Moe, CMC	B. Wopat, COE	Keith's Siding site eligibility for the national Register of Historic Places	
12/16/97	12/30/97	A. Ackley, Sokaogon	G. Meyer, WDNR	Response to Response to Comments on Swamp Creek Report and bio-monitoring	
12/17/97		C. Carlson, WDNR	D. Feinstein, USGS	Updated parameter estimates in Crandon Groundwater Model	
		J. Krohelski, USGS			
12/19/97	12/24/97	EIS Participant	B. Wopat, COE	GeoTrans/Modflow groundwater files; 12/12/97 letter from GeoTrans to WDNR attached	
12/22/97	12/29/97	D. Moe, CMC	B. Wopat, COE	Remaining comments to CMC responses to COE comments re: TMA	
12/22/97	12/30/97	C. Carlson, WDNR	D. Moe, CMC	Groundwater model; attached 12/22/97 letter to CMC from FVD re: GW modeling distribution list master file	
12/23/97	12/29/97	EIS participants	B. Wopat, COE	Attached 12/15/97 comments from COE-WES re: HELP model runs	
12/23/97	12/30/97	Ladies and Gentlemen	C. Carlson, WDNR	Groundwater-related Report Transmittals; 12/16/97 letter from USGS to WDNR attached re: Measured Mercury concentrations in groundwater and surface water and sediment in the vicinity of Hemlock Creek and the proposed TMA. Also 12/17/97 letter from USGS to USGS re: Updated parameter estimates for Crandon Groundwater model	
12/97	12/30/97	public	WDNR	Report on the Progress of the DNR review of the proposed Crandon Mine and other mining-related issues	
12/26/97	1/6/98	C. Carlson, WDNR	D. Cherkauer	Groundwater model comments	
		M. Meyers, COE			
12/30/97	2/6/98	D. Ballman, COE	D. Anderson, ODNR	Ohio's response to Groundwater Diversion issue; fax to EPA from COE	
1/2/98	2/6/98	J.M. Wonsik, COE	Gov. F. O'Bannon, IN	Indiana's response to Groundwater Diversion issue; fax to EPA from COE	
1/9/98	1/13/98	D. Siebert, WDNR	D. Moe, CMC	Wetland Inventory; 12/18/97 letter attached from Northern Ecological Services to FVD re: CMC Wetland Z23, and 9/3/97 letter to WDNR and COE from GLIFWC re: data quality	
1/13/98	1/20/98	D. Cozza, EPA	B. Wopat, COE	Environmental Justice Response to EPA's 12/17/97 letter	
1/13/98	1/20/98	D. Moe, CMC	C. Carlson, WDNR	Comments on the Reflooded Mine Source Term	
1/14/98	1/21/98	B. Tans, C. Carlson	D. Moe, CMC	Response to WDNR 9/26/97 Completeness Determination on the FR for the TMA	
		R. Grefe, WDNR		Update of drawing and table	

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1/15/98	1/15/98	D. Ballman, COE	J. Coleman, GLIFWC	Characterization of discharge wetlands at the Crandon Site	
1/21/98	1/27/98	D. Moe, CMC	C. Carlson, WDNR	Draft Surface Water Mitigation Plan: WDNR comments	
1/22/98	1/27/98	Ladies and Gentlemen	C. Carlson, WDNR	Groundwater-related Report Transmittal: Attached; 1/16/98 USGS review of the LAK2 Code Developed by GeoTrans in Support of the Regional Groundwater Flow Model	
1/22/98	1/29/98	W. Breyfogle, COE	R. Harrill, CMC	Biological Monitoring concerns: Fax from COE	
1/23/98	1/23/98	D. Cozza, EPA	K. Black, CMC	Press Release re: Rio Algom purchase of Exxon interest in CMC; fax	
1/23/98	1/27/98	A. Ackley, Mole Lake	B. Wopat, COE	Data request re: well logs	
1/23/98	2/6/98	J.M. Wonsik, COE	J. Cahill, DEC-NY	New York's response to Groundwater Diversion issue: fax to EPA from COE	
1/26/98	-----	Bob Pillsbury, Mole Lake	S. AveLallemmnot, WDNR	APHIS, beaver and dam removal reports - monthly	
1/27/98	2/4/98	Ladies and Gentlemen	C. Carlson, WDNR	Groundwater-related Report Transmittal: Figure attachment for 1/22/97 letter	
1/27/98	2/4/98	Ladies and Gentlemen	C. Carlson, WDNR	Revised Table 10 for the WDNR/consultant review of the HELP model	
1/28/98	2/6/98	Gov. T. Thompson, WI	Gov. J. Engler, MI AG F. Kelley, MI	The proposed CMC Diversion of Great Lakes Basin Waters: Fax from COE	
1/29/98	1/29/98	D. Cozza, EPA	D. Alberts, CMC	Press Release RE: CMC name change to Nicolet Minerals Company; fax	
2/3/98	2/12/98	C. Carlson, WDNR M. Meyers, COE	D. Cherkauer	Comments on the CMC Surface Water Mitigation Plan	
2/6/98	2/18/98	D. Moe, NMC	B. Tans, WDNR	Request for more information on project alternatives	
2/12/98	2/20/98	D. Ullrich, EPA	A. Earl, Q&B	Confirmation of meeting between EPA acting RA and NMC President and others	
2/16/98	2/25/98	D. Ballman, COE and others	J. Schimpff, WDNR	Copy of draft SB3 Mining Moratorium Bill	
2/18/98	2/24/98	D. Moe, NMC	B. Wopat, COE	Forwarding USEPA's surface water mitigation plan comments dated 1/29/98 to NMC	
2/19/98	3/6/98	Open letter	G. Meyer, WDNR	Transmittal of fact sheet entitled, "Misconceptions about mining in Wisconsin".	
2/20/98	2/26/98	B. Tans, WDNR D. Ballman, COE	D. Moe, NMC	TMA Completeness Determination Letter and submittal of Interface Shear Testing Report by J&L Testing Co.	
2/27/98	3/3/98	D. Moe, NMC	B. Wopat, COE	Biological Monitoring Plan; response to 1/22/98 Harrill letter to Breyfogle; mapping needs	
2/27/98	3/3/98	D. Moe, NMC	B. Wopat, COE	Geosynthetic Material Decision Matrices comments	
2/27/98	3/4/98	W. Tans, WDNR	C. Sleeter, Nashville	Seepage Basins concern	
3/2/98	3/6/98	GW Meeting participants	C. Carlson, WDNR	Transmittal of Analytic Element Screening Model Report by Haitjema Consulting:	

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3/4/98	3/11/98	C. Sleeter, Nashville	W. Tans, WDNR	Report attached	
3/6/98	3/13/98	C. Carlson, WDNR	D. Moe, NMC	Response to seepage basin and pipeline concerns made by C. Sleeter	
3/9/98	3/13/98	ladies and gentlemen	C. Carlson, WDNR	Supplementary Kinetic Testing; memo FVD from SRK dated 3/5/98 attached	
3/11/98	3/19/98	D. Ullrich, EPA	T. Earl, Q&B	Groundwater-related Report Transmittal; lake stage package	
3/12/98	4/30/98	J.Zirshky, COE	19 U.S. Reps/Sen	follow-up to meeting held between NMC and EPA on 3/10/98	
3/13/98	3/19/98	B. Tans, WDNR	D. Moe, NMC	GW Diversion/WRDA '86 Section 1109; fax from COE	
of		D. Ballman, COE		Errata and Clarifications to Addendum #1 to Appx 4.2-3, Numerical Simulation	
3/19/98	3/25/98	D. Moe, NMC	B. Wopat, COE	the Effect on GW and SW.	
				Soil boring study of 12/97, attached report, "Report on Borings for Verification of	
				Hydrostratigraphy"	
3/20/98	3/25/98	D. Cozza, EPA	G. Howlett, Menominee	Transmittal of Bur Oak Report. Transmittal letters to other parties attached.	
3/30/98	4/3/98	L. Lynch, WDNR	G. Reid, NMC	Transmittal of Work Plan for Grouting test program and data utilization	
4/2/98	4/7/98	B. Wopat, COE	G. Reid, NMC	Response to USCOE 12/8/97 letter re: comments on TMA Feasibility Report;	
				w/attachments	
4/2/98	4/14/98	D. Moe, NMC	D. Lang, WDNR	Water Regulatory Permit Application - Addendum No. 1 Pertaining to the Little	
				Sand Lake Outlet Weir on Creek 12-9	
4/3/98	4/7/98	G. Reid, NMC	A. Wilson, WDNR	Approval for the use of Quik-Gel, Quik-Grout and Hole Plug re: Work Plan for the	
				Grouting Test Program	
4/3/98	4/13/98	G. Reid, NMC	P. Luebke, WDNR	Grouting Test Program; Discharge of Pump Test Water	
4/3/98	4/14/98	C. Carlson, COE	G. Reid, NMC	Grouting Test Program Work Plan - modifications/contingencies	
4/6/98	4/9/98	G. Reid, NMC	C. Fitzgerald, WDNR	Approval of request for a variance allowing for the injection of potable water via	
				a borehole as part of a packer test to determine hydraulic conductivity and	
				conditional temporary reactivation approval for a previously temporarily approved	
				High Capacity Test Well re: Work Plan for the Grouting Test Program	
4/7/98	4/13/98	G. Reid, NMC	B. Wopat, COE	Forwarding USEPA's comments on proposed wastewater discharge pipeline to	
				NMC.	
4/7/98	4/14/98	G. Reid, NMC	C. Fitzgerald, WDNR	Addendum, approval Crandon Project Grouting Test Program, High Capacity Test	
				Well	
4/9/98	4/14/98	File	C. Carlson, WDNR	Requested Comments on NMC's draft bedrock model layering	
4/9/98	4/16/98	C. Carlson, WDNR	K. Black, NMC	Modifications to the Sequence for the grouting test program w/attachment from	
				Hydro-Geo Consultants : Proposed modifications to the Sequence of Drilling,	
				Testing and Grouting for the Pilot Grouting Test Program	

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4/13/98	4/27/98	G. Reid, NMC	B. Wopat, COE	Topographic mapping	
4/13/98	4/16/98	C. Pils, WDNR	G. Howlett, Menominee	Placement of TMA near F-15, the Bur Oak Swamp, in the proposed sulfide mine area.	
4/20/98	4/27/98	D. Nimmo, USGS-BRD	B. Tans, WDNR	Clarification of Department use of "Clean" Sampling and Analysis techniques for the Proposed Crandon Mine.	
4/23/98	4/27/98	B. Wopat, COE	G. Reid, NMC	Topographic mapping	
4/23/98	5/4/98	P. Luebke, WDNR	G. Reid, NMC	Transmittal letter re: Phase II Work Plan - Potential Mitigation Site; absorption ponds	
4/27/98	5/5/98	W. Tans, WDNR	G. Reid, NMC	Transmittal letter re: update to Appx 4.2-13: Reflooded Mine Source Term	
		D. Ballman, COE			
4/28/98	5/4/98	USGS/EPA/COE	C. Sleeter, Nashville	Proposal for Scientific Data Collection by the Town of Nashville	
4/30/98	5/5/98	G. Reid, NMC	P. Luebke, WDNR	Phase II Geotechnical Work Plan - Absorption ponds	
4/30/98	5/14/98	W. Tans, WDNR	G. Reid, NMC	Transmittal letter re: update to Appx 4.2-12: TMA GW Quality Performance Evaluation	
		D. Ballman, COE			
5/5/98	5/14/98	P. Luebke, WDNR	G. Reid, NMC	Phase II Geotechnical Work Plan - Absorption ponds	
5/6/98	5/14/98	Ladies & Gentlemen	W. Tans, WDNR	Announcement of current technical meeting schedule: 5/22/98 pyrite meeting and 6/8-9 mine plan meeting	
5/7/98	5/14/98	D. Ballman, COE	G. Reid, NMC	Soil Absorption Pond Investigations; memo attached dated 2/8/95 from J. Richards, GLARC, to R. Dexter, SHSW, re: soil absorption pond investigations at Area E	
5/8/98	5/14/98	P. Luebke, WNDNR	G. Reid, NMC	Transmittal letter re: Bench Scale Evaluation of Reverse Osmosis Method for Wastewater Treatment	
5/8/98	5/15/98	W. Tans, WDNR	G. Reid, NMC	Transmittal letter re: update to EIR Appx 4.2-10; Numerical Simulation of Potential Solute Transport	
		D. Ballman, COE			
5/12/98	5/15/98	B. Wopat, COE	G. Reid, NMC	Response to COE 12/22/97 letter regarding comments on the TMA	
5/12/98	5/18/98	B. Wopat, COE	G. Reid, NMC	Response to COE Letter dated 4/13/98; re: topographic mapping	
5/15/98	5/19/98	C. Carlson, WDNR	G. Reid, NMC	Waste Characterization Studies - Work Plan for Characterization of Depyritized Tailings	
		D. Ballman, COE			
5/15/98	5/26/98	Ladies and Gentlemen	C. Carlson, WDNR	Groundwater related Report Transmittal: 1) 5/14/98 letter from D. Feinstein, USGS to C. Carlson, WDNR and J. Krohelski, USGS re: Sources of water to Crandon gw model, and 2) C. Carlson, WDNR memo to file dated 5/15/98 re: Review of the Skunk Lake Basin water balance	

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5/18/98	5/26/98	C. Carlson, WDNR	K. Black, NMC	Modifications to the Sequence for the Grouting Test Program; memo dated 5/10/98 from G. Vandersluis, TRC, to G. Reid, NMC attached re: Proposed modification to the pilot grouting test program	
5/19/98	5/22/98	J. Sevick, FVD	J. Chapman, SRK	Memo handed out at 5/22/98 WDNR/NMC meeting re: Waste Characterization NP availability testing methods	
5/19/98	5/20/98	C. Sleeter, Nashville	B. Wopat, COE	independent work	
5/20/98	5/27/98	G. Reid, NMC	P. Luebke, WDNR	WDNR comments on Reverse Osmosis Work Plan	
5/21/98	5/27/98	B. Wopat, COE	G. Reid, NMC	Potential Effect on the Keith's Siding Site (47 FR 147), Data Recovery Plan dated May 1998 also submitted	
5/22/98	6/2/98	P. Luebke, WDNR	G. Reid, NMC	Phase II Geotechnical Work Plan - Potential Mitigation Site-Area E	
5/25/98	6/2/98	C. Johnson, EPA	J. Coleman, GLIFWC	Crandon elevation surface development	
5/27/98	6/2/98	P. Luebke, WDNR	G. Reid, NMC	Work Plan for Phase I Investigation of Potential Mitigation Sites in the Town of Lincoln (Areas E, G and J)	
5/27/98	6/3/98	C. Carlson, WDNR	J. Coleman, GLIFWC	NMC groundwater model practical worst case scenarios and sensitivities	
5/28/98	6/2/98	P. Luebke, WDNR	G. Reid, NMC	Reverse Osmosis Work Plan response to comments	
5/28/98	6/2/98	W. Tans, WDNR	Ainsworth Town Board	Public rights and baseline stage for Rolling Stone Lake	
5/29/98	6/8/98	G. Reid, NMC	P. Luebke, WDNR	Phase II Geotechnical Work Plan-Site E, Phase I Preliminary Investigation-Sites G and J	
6/2/98	6/8/98	C. Carlson, WDNR	G. Reid, NMC	June 8-9, 1998 Groundwater Modeling Meeting: mine plan figures	
6/2/98	6/8/98	P. Luebke, WDNR	G. Reid, NMC	Response to 5/29/98 Comments on the Geotechnical Work Plan for Soil Absorption System - Area E	
6/4/98	6/8/98	C. Gravitter, Ainsworth	W. Tans, WDNR	Public Rights Stage for Rolling Stone Lake	
6/8/98	6/12/98	C. Carlson, WDNR	G. Reid, NMC	GW Model: Miscellaneous Sensitivity Simulations w/attachment 6/5/98 memo from P. Weeber and P. Anderson, Geotrans, re: Sensitivity Simulations using Crandon Regional Flow Model	
6/10/98	6/16/98	G. Reid, NMC	C. Carlson, WDNR	Comments on the Waste Characterization Work Plan for Potential Pyrite Separation of the Tailings for the proposed Crandon Mine	
6/17/98	6/22/98	B. Wopat, COE	G. Reid, NMC	Wetland Topographic mapping: 17 oversized maps	
6/17/98	6/29/98	B. Tans, WDNR	G. Reid, NMC	TMA FS/PO Addendum #4 cover letter and addendum	
6/17/98	7/7/98	D. Ballman, COE			
6/17/98	7/7/98	C. Zichella, Sierra Club	R. Sando, MN-DNR	GW Diversion: WRDA '86; agreement w/ COE's interpretation that gw not included in Section 1109: Fax from COE to EPA	

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6/23/98	6/29/98	Ladies and Gentlemen	C. Carlson, WDNR	Groundwater related Report Transmittal: USGS report re: Evaluation of lakebed vertical hydraulic conductivity by Monte Carlo Analysis of Lake Budgets	
6/24/98	6/30/98	B. Wopat, COE	G. Reid, NMC	Response to COE's 2/27/98 letter re: Geosynthetic materials decision matrix	
6/24/98	7/30/98	C. Hauger, COE	B. Pillsbury, Sokaogon	SW mitigation issues/wild rice concerns	
6/30/98	7/8/98	D. Cumming, NMC	W. Tans, WDNR	Documentation needed for DEIS	
6/30/98	7/9/98	W. Tans, C. Carlson	G. Reid, NMC	Laboratory Scale Physical test on the proposed TMA drainage filter system	
		R. Grefe, WDNR		Report from J&L Testing Co., dated 6/11/98 attached	
7/2/98	7/14/98	P. Luebke, WDNR	G. Reid, NMC	Workplan Addendum - Additional geotechnical work for potential mitigation site Area E	
7/9/98	7/14/98	C. Carlson, WDNR	G. Reid, NMC	GW Model: Bedrock Figures	
7/9/98	7/14/98	C. Carlson, WDNR	G. Reid, NMC	Response to 5/27/98 comments from GLIFWC re: gw modeling	
7/13/98	7/14/98	C. Carlson, WDNR	G. Reid, NMC	Addendum No. 1 to the workplan for Characterization of Depyritized Tailings and Paste Backfill	
7/15/98	7/21/98	G. Reid, NMC	C. Carlson, WDNR	DMZs for Facilities that are part of the Crandon Mine Proposal	
7/16/98	7/21/98	G. Reid, NMC	B. Wopat, COE	Awaiting responses to COE's 2/97 comment s re: Geosynthetic liners	
7/16/98	7/29/98	B. Tans, WDNR	G. Reid, NMC	Addendum No. 4 to the TMA Report	
		D. Ballman, COE			
7/17/98	7/21/98	G. Reid, NMC	B. Wopat, COE	Comments on NMC's Wetland topographic maps	
7/17/98	7/24/98	P. Luebke, WDNR	G. Reid, NMC	Phase I and Phase II Geotechnical Work Plan - Potential Mitigation Sites- Town of Lincoln	
7/20/98	7/29/98	B. Wopat, COE	G. Reid, NMC	NMC Response to COE 7/31/97 TMA letter: TMA liners/leachate collection	
7/23/98	7/30/98	G. Reid, NMC	P. Luebke, WDNR	Phase I and II Geotechnical Work Plan: Areas G, H, K and L	
7/23/98	7/30/98	B. Tans, WDNR	G. Reid, NMC	Update to EIR Appx 4.2-3, Numerical Simulation of the Effect on GW and SW and update to Appx 4.2-12, TMA Groundwater Quality Performance Evaluation	
		C. Hauger, COE			
7/23/98	7/28/98	C. Carlson, WDNR	D. Cherkauer	pyrite removal concerns	
		M. Meyers, COE			
7/23/98	7/28/98	C. Carlson, WDNR	D. Cherkauer	grouting test concerns	
		M. Meyers, COE			
7/28/98	8/31/98	G. Meyer, WDNR	B. Pillsbury, Mole Lake	Beaver dam issues	
8/4/98	8/16/98	C. Hauger, COE	J. Coleman, GLIFWC	2 foot contour map from NMC	
8/13/98	8/20/98	P. Luebke, WDNR	K. Black, NMC	Phase I and II Geotechnical Workplan Areas G, H, K, and L	

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8/17/98	8/24/98	P. Luebke, WDNR	G.Reid, NMC	Submittal of Bench Scale Evaluation Method for Wastewater Treatment workplan	
8/18/98	-----	Mining Moratorium Coalition	G. Meyer, WDNR	Compliance with the Mining Moratorium Law	
8/19/98	8/24/98	G. Reid, NMC	P. Luebke, WDNR	WDNR approval of NMC's Evaporation Bench scale evaluation work plan w/comments	
8/21/98	8/26/98	G. Reid, NMC	C. Carlson, WDNR	Comments on Addendum #1 to the Work Plan for Characterization of Depyritized Tailings and Paste Backfill	
8/25/98	9/1/98	P. Luebke, WDNR	G. Reid, NMC	Response to WDNR 8/19/98 review of Bench Scale Evaluation of Evaporation method for Wastewater Treatment	
9/2/98	9/8/98	C. Carlson, WDNR	G. Reid, NMC	Updates to Table 2 and 3 of Addendum #1 to the Work Plan for Characterization of Depyritized Tailing and Paste Backfill	
9/3/98	9/8/98	G. Meyer, WDNR	J. Schlender, GLIFWC	Beaver dam removal by WDNR and USDA-APHIS	
9/3/98	9/14/98	B. Tans, WDNR	G. Reid, NMC	Addendum #2 to Appx 4.2-3, Numerical Simulation of the Effect of Groundwater and Surface water	
9/8/98	9/11/98	C. Carlson, WDNR	G. Reid, NMC	Surface deposition options using depyritized paste tailings	
9/8/98	9/18/98	C. Hauger, COE	G. Reid, NMC	FEMWATER GW model w/attachment from FVD dated 9/8/98 re: comments on FEMWATER	
9/10/98	9/14/98	EIS Participant	B. Wopat, COE	notice of NMC presentation to COE re: paste technology	
9/11/98	9/14/98	EIS participant	B. Wopat, COE	enclosed copy of draft report: Update of Flow Duration Curve at USGS1, by Barr Engineering	
9/11/98	9/18/98	D. Grignon, Menominee	G. Reid, NMC	Area E - archaeological survey	
9/16/98	9/24/98	J. Schlender, GLIFWC	G. Meyer, WDNR	Beaver dam removal	
9/17/98	9/21/98	EIS participants	C. Hauger, COE	Mole Lake well data: w/attached data from Mole Lake's Dave Anderson, dated 7/20/98	
9/17/98	9/22/98	B. Tans, WDNR	G. Reid, NMC	EIR update re: Appx 4.2-13, Reflooded Mine Source Term	
9/22/98	10/6/98	C. Hauger, COE	J. Krohelski, USGS	Review of LAK2 code- Comparison of model results using the LAK2 package and a high hydraulic conductivity zone to simulate Pretty Lake, WI	
9/23/98	9/30/98	C. Carlson, WDNR	R. Hunt, USGS	Regional GW Flow Model; Grid Convergence Test w/attached FVD memo	
9/30/98	10/6/98	G. Reid, NMC	G. Reid, NMC	Review of Revised MODFLOW Lake stage package (LAK2)	
9/30/98	10/6/98	A. Zanoni, Marquette Univ.	C. Carlson, WDNR	Wastewater treatment facilities: response to comments	
10/2/98	-----	Coalition Members	G. Reid, NMC	Wisconsin Act 171, the Mining Moratorium Law	
			G. Meyer, WDNR		

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10/5/98	10/8/98	C. Hauger, COE	G. Reid, NMC	Regional GW Flow Model; Grid Convergence Test	
10/6/98	10/9/98	B. Tans, WDNR C. Hauger, COE	G. Reid, NMC	EIR Update re: Appx 4.2-13, Reflooded Mine Source Term	
10/7/98	10/9/98	B. Tans, WDNR C. Hauger, COE	G. Reid, NMC	Crandon Project: results of studies and changes to plan	
10/7/98	10/9/98	D. Cozza, EPA	B. Grefe, WDNR	Paste Backfill Technology References: NMC/Crandon Mine	
10/8/98	10/13/98	D. Nimmo, USGS-BRD	W. Tans, WDNR	Surface Water Sampling results	
10/15/98	10/21/98	B. Tans, WDNR, C. Hauger, COE	G. Reid, NMC	Soil Absorption Sites update	
10/16/98	10/21/98	G. Reid, NMC	C. Hauger, COE	Surface mapping/elevation verification re: EPA's GPS work	
10/21/98	10/29/98	D. Cozza, EPA	D. Anderson, Mole Lake	Access to Mole Lake Reservation for mapping/ground truthing	
10/27/98	10/29/98	J. Coleman, GLIFWC	C. Hauger, COE	Response to Coleman's mapping concerns of 8/4/98	
10/30/98	10/30/98	D. Cozza, EPA	D. Chambers, CSP2	BC Acid Mine Drainage Task Force guideline chart for the recommended number of samples; fax	
11/2/98	11/5/98	EIS Participants	C. Hauger, COE	Transmittal of draft FEMWATER GW model report, Scope of Work for additional work, a map of the modeled area, map of well location on Mole Lake Reservation and information regarding a joint FEMWATER and HSPF model meeting on 12/8-9/98	
11/4/98	11/10/98	G. Reid, NMC	C. Carlson, WDNR	Comments on Pilot Grout Program and Proposed Project Grout Plan	
11/6/98	11/12/98	C. Hauger, COE B. Tans, WDNR	G. Reid, NMC	Environmental data collection for soil adsorption site -Area H	
11/17/98	11/30/98	G. Reid, NMC	C. Carlson, WDNR	Comments on Addendum #4 of the FR and the Response to the Completeness Determination fro the Proposed TMA	
11/20/98	12/30/98	C. Carlson, WDNR	G. Reid, NMC	Addendum #1 to the work plan for the characterization of depyritized tailings and paste backfill: w/attachments	
11/23/98	12/3/98	B. Tans, WDNR C. Hauger, COE	G. Reid, NMC	Section 404 permit application, addendum 1	
11/24/98	12/3/98	P. Luebke, WDNR C. Hauger, COE	G. Reid, NMC	Preliminary Engineering Report for Wastewater Facilities	
11/30/98	12/10/98	C. Hauger, COE	J. Coleman, GLIFWC	NMC's 2 foot contour mapping	
12/4/98	12/11/98	B. Tans, WDNR C. Hauger, COE	G. Reid, NMC	Surface Water Mitigation Plan	

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12/4/98	12/11/98	P. Luebke, WDNR C. Hauger, COE	G. Reid, NMC	Notice of Intent for Storm Water Discharges	
12/7/98	12/11/98	P. Luebke, WDNR C. Hauger, COE	G. Reid, NMC	WPDES Permit Application	
12/18/98	1/19/98	L. Eagen, WDNR C. Hauger, COE	G. Reid, NMC	Air Pollution Control Permit Application	
12/18/98	1/19/99	C. Fitzgerald, WDNR C. Hauger, COE	G. Reid, NMC	High Capacity Well Permit Application	
12/22/98	1/19/99	B. Tans, WDNR C. Hauger, COE	G. Reid, NMC	Water Regulatory Permit Application	
12/23/98	1/19/98	B. Tans, WDNR	C. Curtis, F&L	Wis. Stats. 293.50 Compliance Demonstration - moratorium documents - 2 binders	
12/24/98	1/19/99	B. Tans, WDNR C. Hauger, COE	G. Reid, NMC	Addendum #5 to the TMA Feasibility Report/Plan of Operation	
12/28/98	1/19/99	B. Tans, WDNR C. Hauger, COE	G. Reid, NMC	EIR Revision, Volumes I and II	
12/28/98	-----	EIS Participants	C. Hauger, COE	draft agenda for 2/2-3/99 meeting in Rhinelander re: impact assessment, surface water mitigation plan and monitoring plan	
12/29/98	1/19/99	B. Tans, WDNR C. Hauger, COE	G. Reid, NMC	Mine Permit Application	
1/8/99	1/12/99	G. Reid, NMC	C. Carlson, WDNR	Comments on the NMC Response to WDNR comments on Addendum #1 to the Work Plan for Characterization of Depyritized Tailings and Paste Backfill	
1/8/99	1/12/99	C. Carlson, WDNR	J. Coleman, GLIFWC	Bench mark elevations and lake stages at the Crandon site	
1/8/99	1/14/99	C. Hauger, COE	J. Coleman, GLIFWC	Review of 12/8-9/98 meeting - follow-up items	
1/11/99	1/15/99	C. Carlson, WDNR	G. Reid, NMC	Groundwater Model: Bedrock Cross-Section-Plan Map construction and sensitivity Simulations on additional drains in Zinc Ore body; w/attachments 1) Crandon Deposit GW Modeling Bedrock Cross Section -Plan Map Construction by Erickson, 12/28/98 and 2) Crandon Regional Model Sensitivity Simulations: Additional Drains for the Zinc Orebody, by G. Council, 1/8/99	
1/12/99	1/15/99	D. Siebert, WDNR	J. Coleman, GLIFWC	NMC Wetland Coverage	
1/19/99	2/3/99	C. Fox, Mole Lake	C. Smith, USDOT, BIA	National Register of Historic Places Registration Form for Rice Lake on the Mole Lake Reservation	

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1/22/99	1/26/99	P. Thibodeau, H&W	C. Hauger, COE	Response by COE to Groundwater Model Comments made by P. Thibodeau in a 12/1/98 letter to COE - attached	
1/26/99	1/29/99	C. Hauger, COE	J. Coleman, GLIFWC	2 foot contour map - correction of his 11/30/98 letter	
1/26/99	2/4/99	G. Reid, NMC	R. Augustin, COE	Comments on the TMA Feasibility Report	
1/28/99	2/4/99	R. Jaeger, BIA	R. Augustin, COE	Request for "Geologic Report on the Results of Diamond Drilling on the Mole Lake Reservation, Forest County, Wisconsin"	
1/28/99	2/4/99	S. Turnbull, WES	D. Cherkauer	RE: Groundwater Model and Environmental impacts	
1/28/99	2/4/99	C. Hauger, COE C. Carlson, WDNR	G. Reid, NMC	Addendum No. 1 to the Work Plan for Characterization of Depyritized Tailings and Paste Backfill	
1/29/99	2/4/99	R. Whiting, COE	G. Reid, NMC	Keith's Siding Data Recovery Plan	
2/9/99	2/12/99	D. Cozza, EPA	R. Augustin, COE	EIS Schedule - response to 1/11/99 EPA letter re: HSPF schedule and the EIS request for comments on NMC's Env. Monitoring Plan and SW Mitigation Plan	
2/16/99	2/19/99	EIS Participants	R. Augustin, COE	transmittal of 2 USGS documents: 1) from C. Dunning, 2/16/99 re: Review of the representation of bedrock in model runs 49a and 49n, Addendum no.2 to Numerical Simulation of the Effect on GW and SW of the proposed mine; 2) from J. Krohelski, 2/10/99, Estimates of vertical hydraulic conductivity of the Little Sand lake be from the 1998 drought recession.	
2/16/99	2/22/99	Ladies and Gentlemen	C. Carlson, WDNR	re: applicability of underground injection control permit requirements for mine backfilling.	
2/22/99	2/26/99	D. Cozza, EPA	G. Stoddard, G&S Law	comments on proposed Crandon Project SW mitigation plan	
3/2/99	3/8/99	G. Reid, NMC	C. Carlson, WDNR	Modifications to the Crandon analytical element model and uncertainty analysis of mine inflow and impacts	
3/2/99	4/13/99	C. Carlson, WDNR	R. Hunt, USGS	Transmittal of a USGS Document Relating to Groundwater at the proposed site: w/attachments from Haitjema Consulting dated 3/1/99 and a 3/2/99 memo from Randy Hunt, USGS	
3/2/99	3/3/99	Ladies and Gentlemen	C. Carlson, WDNR	COE EIS Schedule	
3/8/99	3/15/99	K. Kasprisin, COE	Apesanahkwat, Menom.	Comments on portions of NMC Groundwater Quality performance evaluation and associated documents (EIR appx. 4.2-12) w/attachments: D. Blowes, Sala GW, dated 3/12/99, re: Geochemical modeling for the Crandon Mine; C. Benson, CEC, dated 3/7/99 re: Oxygen Diffusion Modeling of TMA cap, and 3/12/99 re: anisotropy in tailings hydraulic conductivity and its effect on post-closure leachate	
3/16/99	3/22/99	G. Reid, NMC	C. Carlson, WDNR		

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3/16/99	3/16/99	J. Ahlness, COE	R. Ferdinand, Mole Lake	concentrations. E-mail re: proposal for shallow monitoring wells and data collection in key wetlands at Crandon Mine site.	
3/16/99	3/16/99	S. Eggers, COE	J. Coleman, GLIFWC	E-mail re: proposal for shallow monitoring wells and data collection in key wetlands at Crandon Mine site.	
3/17/99	3/22/99	W. Tans, WDNR	G. Reid, NMC	Soil Absorption System - Response to comments from the WDNR 11/18/98 letter; w/attachments	
3/23/99	3/25/99	B. Wopat, COE	G. Reid, NMC	Wetland Topographic Mapping	
3/25/99	3/29/99	Ladies and Gentlemen	C. Carlson, WDNR	Transmittal of a USGS document relating to GW at the proposed mine site; from J. Krohelski, USGS, dated 3/18/99 re: corrections to the 2/10/99 memo - Estimates of vertical hydraulic conductivity of the Little Sand Lake lakebed based on the 1998 drought recession	
3/29/99	-----	C. Carlson, WDNR	J. Coleman, GLIFWC	goodness of model fit for drought period	
3/31/99	----	B. Tans, WDNR	G. Reid, NMC	Mine Permit Application updated pages.	
4/1/99	4/8/99	C. Hauger, COE	G. Reid, NMC	Work Plan for Wetlands Monitoring	
4/2/99	4/8/99	G. Reid, NMC	Tans, Carlson & Grefe	Completeness Determination on the FR for the TMA reflecting changes re:	
Addendum			WDNR	#5.	
4/2/99	4/12/99	C. Carlson, WDNR	G. Reid, NMC	Lakebed Permeability w/attachments (3/31 from G. Council, HSI Geotrans re: Little Sand Lake Conductivity Estimation from 1998 Data	
4/7/99	4/12/99	Apesanahkwat, Menom.	K. Kasprisin, COE	Reply to 3/8/99 letter re: COE FEMWATER model work and schedule.	
4/8/99	4/13/99	EIS participants	J. Ahlness, COE	Memo for record of 3/18/99 impact assessment meeting in Vicksburg, MS, w/handouts	
4/8/99	4/13/99	C. Carlson, WDNR	J. Coleman &	Soil metals sampling in wetlands w/draft bibliography of the abiotic fate of dynamics of heavy metals in freshwater wetlands w/an emphasis on mercury	
		S. Eggers, COE	K. Groetsch, GLIFWC		
4/8/99	4/13/99	G. Reid, NMC	R. Augustin, COE	Wetland monitoring plan comments and comments re: Bur Oak swamp & SAS	
4/9/99	-----	P. Luebke, WDNR	G. Reid, NMC	Preliminary Engineering Report for Wastewater Treatment Facilities; revised pages	
4/12/99	4/21/99	S. Eggers, COE	J. Coleman, GLIFWC	Wetland hydrologic sampling	
4/12/99	-----	W. Tans, WDNR	G. Reid, NMC	Response to WDNR's 11/19/98 request for additional information re: EIS	

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4/15/99	4/20/99	Ladies and Gentlemen	L. Lynch, WDNR	Meeting re: selection of monitoring wells for inclusion in monitoring plan; 4/28/99	
4/15/99	4/21/99	C. Carlson, WDNR	G. Reid, NMC	3/31/99 HSI GeoTrans Technical Memo re: Little Sand Lake Conductivity Estimation from 1998 data	
4/16/99	4/26/99	C. Hauger, COE C. Carlson, WDNR	P. Thibodeau, H&W	Wetlands Monitoring Well installation	
4/19/99	4/26/99	C. Hauger, COE	G. Reid, NMC	Work Plan for Wetlands Monitoring - modifications	
4/26/99	4/28/99	G. Reid, NMC	C. Hauger, COE	Response to 4/19/99 letter from NMC re: Deficiency of hydrologic data for Bur Oak Swamp and request for additional data	
4/30/99	5/4/99	G. Reid, NMC	C. Hauger, COE	Review of Addenda #5 to TMA FS/PO	
5/3/99	5/7/99	B. Tans, WDNR C. Hauger, COE	J. Coleman, GLIFWC	Wetlands overlooked in NMC's impact analysis	
5/4/99	5/6/99	D. Cozza, EPA	G. Stoddard, G&S Law	Sokaogon Chippewa TAS Decision of 4/28/99 and questions regarding NPDES discharge and Underground injection control permits. W/attachments	
5/4/99	5/6/99	D. Cozza, EPA	G. Stoddard, G&S Law	Release to COE and WDNR of Sokaogon Chippewa documents entitled "Results of Wild Rice Surveys Conducted on Rice Lake: 1995-97" and "Water Bird Survey of Rice Lake, and Swamp Creek within the Mole Lake Reservation". Also re: TAS Decision	
5/6/99	5/11/99	G. Reid, NMC	C. Carlson, WDNR	Comments on the NMC Waste Rock Management Plan as presented in the MPA	
5/21/99	5/24/99	K. Kaprisin, COE	Apesanahkwat, Menominee	Contracting DEIS and EIS preparation to NMC hired consultants	
5/24/99	6/1/99	Apesanahkwat, Menominee	C. Hauger, COE	COE's EIS re: 3rd party contractors, solute transport and schedule	
5/26/99	6/1/99	C. Carlson, WDNR M. Meyers, COE	J. Coleman, GLIFWC	Aberrations in NMC's groundwater head predictions	
5/27/99	6/2/99	G. Reid, NMC	P. Luebke, WDNR	WPDES Wastewater Permit	
6/2/99	6/11/99	B. Tans, WDNR	C. Hauger, COE	concurrence with Protocol for Sampling and Analysis of Organic Wetland Soils for Metals near the Proposed Crandon Mine Site	
6/3/99	6/7/99	G. Reid, NMC	P. Luebke, WDNR	Preliminary Engineering Report for Wastewater Treatment Facilities	
6/4/99	6/15/99	B. Tans, WDNR C. Hauger, COE	G. Reid, NMC	EIR amendments; items number 314-324 re: Groundwater Quality Performance Evaluation	
6/7/99	6/11/99	Ladies and Gentlemen	C. Carlson, WDNR	Groundwater-related Report transmittal; includes memo from USGS. Charles Dunning, USGS and Dave Johnson, WDNR to C. Carlson re: Changes made to the representation of bedrock in the regional flow model for the proposed Crandon	

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6/7/99	6/11/99	C. Carlson, WDNR	G. Reid, NMC	Mine, dated June 7, 1999	
6/9/99	6/14/99	W. Tans, C. Carlson, & R. Grefe, WDNR	G. Reid, NMC	Response to WDNR's March 2, 1999 comments on the Proposes Crandon Project Surface Water mitigation plan.	
6/14/99	6/18/99	C. Carlson, WDNR	G. Reid, NMC	Response to WDNR April 2, 1999 letter re: completeness determination on the FR of the TMA - reflecting changes in the FR as submitted in Addendum #5.	
6/15/99	6/24/99	C. Hauger, COE	G. Reid, NMC	Lake Stage package documentation and Response to USGS comments dated 1/16/98, 3/3/98 and 9/22/98; includes memo dated 6/11/99 from HSI Geo Trans to FVD and a Lake Package for Modflow Users Manual dated June 1999	
6/11/99	6/15/99	K. Kasprisin, COE	Apesanahkwat, Menominee	Documentation for Wetland Monitoring wells; includes well logs	
6/18/99	6/24/99	A. Wilson, WDNR	C. Hauger, COE	Bedrock Pump test, Grout test, and contaminant transport	
6/18/99	6/24/99	G. Reid, NMC	D. Lang, WDNR	Design and installation of 20 shallow wetland gw wells; response to his comments	
7/1/99	7/12/99	G. Reid, NMC	C. Carlson, WDNR	Water regulatory permit application for the proposed Crandon project	
7/1/99	7/12/99	W. Tans, WDNR	G. Reid, NMC	Comments on the Reflooded Mine Source Term w/ comments from D. Blowes attached	
7/2/99	7/12/99	G. Reid, NMC	C; Carlson, WDNR	Soil Absorption System - 1999 Surface water quality groundwater field parameters and SPLP data	
7/16/99	7/21/99	C; Hauger, COE	EIS Participants	Comments on the NMC Water Control and Grouting Plan; w/attachment	
7/19/99	8/1/99	B. Tans, WDNR	G. Reid, NMC	Third Party Contractor Scope of Work/Statement of Responsibility/Disclosure Statements; for review and comment.	
7/22/99	8/1/99	C. Hauger, COE	G. Reid, NMC	Addendum #5 to the May 1995 TMA FR/PO; updated pages	
8/3/99	8/10/99	B. Tans, WDNR	G. Reid, NMC	EIR updates; items 325-330	
8/4/99	8/11/99	C. Hauger, COE	P. Thibodeau, H&W	FEMWATER model development	
8/6/99	8/11/99	C. Hauger, COE	D. Cox, Menominee	Third party contracting comments/recommendations	
8/12/99	8/16/99	C. Carlson, WDNR	P. Thibodeau, H&W	Third party contracting comments	
8/30/99	9/2/99	Tans, Grefe, Carlson, WDNR	G. Reid, NMC	Response to WDNR's 3/16/99 comment letter on EIR appx 4.2-12 (GW Quality Performance Evaluation and Associated Documents) w/attachments	
9/2/99	9/13/99	C. Hauger, COE	G. Reid, NMC	Response to Comment 7 of the WDNR April 2, 1999 letter re: completeness determination on the Feasibility Report -reflecting changes in Addendum #5.	
				Response to U.S. Army Corps of Engineers Comment Letters dated 1/26/99 and	

U.S. EPA: INCOMING CORRESPONDENCE REGARDING CRANDON MINE PROJECT

<u>DATE OF LETTER</u>	<u>DATE OF RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
9/3/99	9/14/99	G. Reid, NMC	K. Kreigh, WDNR	4/30/99 regarding Addendum No.5 to the May 1995 TMA FR/PO	
9/10/99	9/14/99	EIS Participants	C. Hauger, COE	Air Pollution Permit review status	
9/24/99	9/28/99	G. Reid, NMC	P. Luebke, WDNR	COE FEMWATER Report/Meeting Schedule	
9/28/99	10/1/99	C. Carlson, WDNR	J. Coleman, GLIFWC	Response to WDNR's June 3, 1999 Comment Letter on the Preliminary Engineering Report for Wastewater Treatment Facilities; w/attachments	
9/30/99	10/4/99	M. Meyers, COE	C. Carlson, WDNR	The effect of model extent, bedrock conductivity, and mine access workings on predictions of mine inflow	
9/30/99	10/4/99	Ladies and Gentlemen	G. Reid, NMC	Memo on Little Sand Lake Survey Information	
9/30/99	10/5/99	Paul Luebke, WDNR	C. Hauger, COE	Update pages for the Preliminary Engineering Report for Wastewater treatment Facilities	
9/30/99	10/5/99	D. Cozza, EPA	C. Hauger, COE	Response to comments on 3 rd party contract documents	
9/30/99	10/5/99	J. Schlender, GLIFWC	C. Hauger, COE	Response to comments on 3 rd party contract documents	
9/30/99	10/5/99	D. Cox, Menominee	C. Hauger, COE	Response to comments on 3 rd party contract documents	
9/30/99	10/5/99	Apesanahkwat, Menominee	C. Hauger, COE	Response to comments on 3 rd party contract documents	
9/30/99	10/5/99	P. Thibodeau, H&W	C. Hauger, COE	Response to comments on 3 rd party contract documents	
10/1/99	10/7/99	C. Hauger, COE	P. Thibodeau, H&W	RE: FEMWATER model report review	
10/4/99	10/12/99	C. Hauger, COE	G. Reid, NMC	Revised response to comment #20 of the COE's comment letter dated 4/30/99 re: Addendum #5 to the TMA FR/PO; w/FVD memo	
10/11/99	10/15/99	C. Carlson, WDNR	G. Reid, NMC	GW Flow Model Calibration to the 213/211 Bedrock Pump test and the saprolite pump test; w/HSI Geotrans report attached.	
10/12/99	10/18/99	G. Reid, NMC	C. Carlson, WDNR	Additional information request, FR for the proposed TMA	
10/13/99	10/14/99	EIS participants	C. Hauger, COE	Submittal of final draft of COE's GW flow model; Development of a GW Model to Evaluate NMC's EIR for mining the Crandon deposit; dated 10/99 by WES	
10/14/99	10/18/99	G. Reid, NMC	C. Fitzgerald, WDNR	Comments on the High Capacity Well Application	
10/19/99	10/22/99	K. Kasprisin, COE	Apesanahkwat, Menominee	COE preliminary GW Modeling Report and Decision re: Transport Analysis.	
10/19/99	10/21/99	EIS participants	C. Hauger, COE	FEMWATER, 3 CD's with report text, figures and file, and modeling files.	
10/20/99	10/18/99	G. Reid, NMC	C. Carlson, WDNR	Comments on Appendices to the GW Quality Performance Evaluation	
10/20/99	10/22/99	G. Reid, NMC	C. Hauger, COE	gw monitoring/wetlands re: no further sampling - bentonite interference	
10/26/99	10/29/99	C. Carlson, WDNR	G. Reid, NMC	Response to the WDNR's 5/6/99 Comments on the NMC waste rock management plan, as presented in the mine permit application.; w/attachments	
11/23/99	11/29/99	G. Reid, NMC	C. Carlson, WDNR	Comments on Appendices to the GW Quality Performance Evaluation	

U.S. EPA: INCOMING CORRESPONDENCE REGARDING CRANDON MINE PROJECT

<u>DATE</u> <u>OF</u> <u>LETTER</u>	<u>DATE</u> <u>OF</u> <u>RECEIPT</u>	<u>TO</u>	<u>FROM</u>	<u>RE:</u>	<u>other</u>
11/23/99	11/29/99	G. Reid, NMC	P. Leubke, WDNR	Surface Water Mitigation	
11/29/99	12/1/99	C. Hauger, COE	G. Reid, NMC	Wetland Monitoring Well Water Level Elevation data; memo from FVD dated 11/17/99	
11/30/99	12/3/99	S. Turnbull, COE-WES	D. Cherkauer	Comments on FEMWATER	
12/8/99	12/8/99	C. Hauger, COE			
		e-mail list	R. Grefe, WDNR	e-mail distribution of WDNR contractor report re: "Use of Paste Backfill at the Crandon site, dated 8/23/99 by A. Trevino. WDNR 12/7/99 cover letter attached.	
12/8/99	12/13/99	M. Meyers, COE	J. Coleman, GLIFWC	Comments on the WES FEMWATER model of 10/99	
12/13/99	12/21/99	G. Reid, NMC	C. Carlson, WDNR	Comments on Appendices to the GW Quality Performance Evaluation	
12/13/99	?	G. Reid, NMC	C. Carlson, WDNR	Additional Information Request, Feasibility Report for the TMA	
12/15/99	12/20/99	EIS participants	C. Hauger, COE	COE decision re: FEMWATER and change to alternate approach	
12/21/99	12/28/99	EIS participants	J. Ahlness, COE	submittal of CD-ROM containing WES' FEMWATER graphics from 10/27 COE meeting in St. Paul.	
12/21/99	12/23/99	C. Carlson, WDNR	D. Feinstein, USGS	Calibration of 213, 211 and Massive Saprolite Pumping Tests	
12/22/99	12/28/99	C. Hauger, COE	A. M-Soltis, GLIFWC	RE: COE decision re: FEMWATER	
12/22/99	12/28/99	G. Reid, NMC	C. Carlson, WDNR	Comments on Appendices to the GW Quality Performance Evaluation w/memo from K. Lapakko dated 12/10/99	
12/22/99	12/28/99	G. Reid, NMC	W. Rock, WDNR	Grout Plan Variance Request w/memo from WI Div. of Public Health.	
12/23/99	12/28/99	D. Lang, WDNR	G. Reid, NMC	Response to WDNR's 6/18/99 comments re: Water Regulatory Permit Application, w/attachment	
12/23/99	12/28/99	C. Fitzgerald, WDNR	G. Reid, NMC	Response to WDNR's 10/14/99 comments on the High Capacity Well Permit Application; attachments.	
12/27/99	1/3/00	C. Hauger, COE	Apesanahkwat, Menominee	Concerns re: COE's gw modeling changes	